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ONE HUNDRED AND TWENTY-EIGHTH YEAR

Tusculum College



ANNUAL CATALOGUE

1921 - 1922

PUBLISHED BY

Tusculum College, Greeneville, Tennessee

APRIL, 1922

ONE HUNDRED AND TWENTY-EIGHTH YEAR

Tusculum College

ANNUAL CATALOGUE, 1921-1922
With Announcements for 1922-1923

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APRIL, 1922

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CALENDAR, 1922-1923

1922

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
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..	30	31
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
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10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
24	25	26	27	28	29	30	29	30	31	26	27	28	29	30	24	25	26	27	28	29	30
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1923

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17	15	16	17	18	19	20	21
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31	25	26	27	28	25	26	27	28	29	30	31	29	30
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MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
27	28	29	30	31	24	25	26	27	28	29	30	29	30	31	26	27	28	29	30	31	..
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
23	24	25	26	27	28	29	28	29	30	31	..	..	..	25	26	27	28	29	30	..	23	24	25	26	27	28	29
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..

PART I

INTRODUCTORY

TRUSTEES

FACULTIES

HISTORICAL SKETCH

EVENTS OF THE YEAR

NOTE: The following are fixed days in the Tusculum calendar:

Opening of session, second Tuesday in September.

Commencement, last Tuesday in May.

1922

- | | | |
|-----------|-------------------|--|
| Sept. 12. | Tuesday. | Registration Day. |
| Sept. 12. | Tuesday, 8 P. M. | Faculty Meeting. |
| Sept. 13. | Wednesday. | Registration Day. First Semester begins. |
| Sept. 14. | Thursday, 8 P. M. | Reception by Christian Associations. |
| Oct. 5. | Thursday. | Meeting of Trustees, Tusculum. |
| Nov. 23. | Thursday. | Thanksgiving Day. Holiday. |
| Dec. 4. | Monday. | Philomathean-Philologian Debate. |
| Dec. 5. | Tuesday. | Industrial Arts Exhibit. |
| Dec. 21. | Thursday, 4 P. M. | Christmas Recess begins. |

1923

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|-------------|---------------------|--|
| Jan. 2. | Tuesday, 9:45 A. M. | Christmas Recess ends. |
| Jan. 17-20. | Wednesday-Saturday. | First Semester Examinations and Registration Days. |
| Jan. 23. | Tuesday. | Second Semester begins. |
| Feb. 8. | Thursday. | McCormick Day. |

EVENTS OF THE YEAR

1923

- Mar. 29. Thursday, 4 P. M. Spring Recess begins.
- April 3. Tuesday, 7:45 A.M. Spring Recess Ends.
- May 1. Tuesday. Last day for submitting all Prize Essays and Orations.
- May 22-25. Tuesday-Friday. Second Semester Examinations.
- May 25. Friday, 7:30 P.M. Academy Commencement.
- May 26. Saturday, 3 P. M. Industrial Arts Exhibit.
- May 26. Saturday, 8 P. M. Prize Oration and Recitation Contest.
- May 27. Sunday, A. M. Baccalaureate Sermon.
- May 27. Sunday, P. M. Address before Christian Associations.
- May 28. Monday, 10 A.M. Class Day.
- May 28. Monday, 1 P.M. Meeting of Trustees, Tusculum.
- May 28. Monday, 3:30-5:30 P. M. President's Reception.
- May 28. Monday, 7 P.M. Alumni Meeting and Reception.
- May 29. Tuesday, 10 A.M. Commencement.

BOARD OF TRUSTEES

Term Expiring May, 1922

- * JUDGE C. E. LUCKY, Knoxville, Tenn.
GEORGE W. DOUGHTY, Banker, Greeneville, Tenn.
REV. W. C. CLEMENS, Tusculum, Tenn.
CHARLES W. ALLEN, Manufacturer, Greeneville, Tenn.
REV. JERE A. MOORE ('96), Greeneville, Tenn.
H. H. BRIGGS, M.D. ('93), Asheville, N. C.
J. E. BRADING, Lumber Dealer, Johnson City, Tenn.

Term Expiring May, 1923

- J. H. EPPS, ('82), Attorney, Jonesboro, Tenn.
O. B. LOVETTE ('93), Attorney, Greeneville, Tenn.
R. J. FRACKLETON, Manufacturer, Cleveland, O.
T. S. RANKIN ('85), Professor, Tusculum, Tenn.
L. C. HAYNES ('77), Professor, Tusculum, Tenn.
T. B. GORTON, Chicago, Ill.
JAMES M. MOREY, Manufacturer, Greeneville, Tenn.

Term Expiring May, 1924

- REV. C. O. GRAY, D.D., LL.D., Tusculum, Tenn.
O. K. MORGAN, Railroad Official, Johnson City, Tenn.
HENRY R. BROWN, Manufacturer, Greeneville, Tenn.
J. D. CAMPBELL, M.D., Greeneville, Tenn.
REV. A. H. EVANS, D.D., New York City.
E. J. BAXTER, Attorney, Jonesboro, Tenn.
REV. JONATHAN C. DAY, D.D. ('01), New York City.

* Deceased.

OFFICERS AND COMMITTEES OF THE BOARD

OFFICERS OF THE BOARD

HENRY R. BROWN.....*Chairman*
O. K. MORGAN.....*Vice-Chairman*
E. J. BAXTER, ESQ.....*Secretary*
THEODORE A. ELLIOTT.....*Treasurer*

EXECUTIVE COMMITTEE

C. O. GRAY, *Chairman.*

L. C. HAYNES,	J. E. BRADING,
HENRY R. BROWN,	E. J. BAXTER.

FINANCE COMMITTEE

J. E. BRADING, *Chairman.*

C. W. ALLEN,	O. B. LOVETTE,
C. O. GRAY,	G. W. DOUGHTY.

PUBLICATION COMMITTEE

C. O. GRAY, *Chairman.*

L. C. HAYNES,	T. S. RANKIN.
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FARM COMMITTEE

C. O. GRAY, *Chairman.*

J. D. CAMPBELL,	T. S. RANKIN.
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FACULTY*

REV. CHARLES OLIVER GRAY, A.M., D.D., LL.D.,
President (1908).

COLLEGE

LANDON CARTER HAYNES, A.M., LL.D.,
Dean Emeritus and McCormick Professor of Mathematics and Physics (1878).

THOMAS SAMUEL RANKIN, A.M., LL.D.,
McCormick Professor of Latin Language and Literature (1885).

ALBERT CAMPBELL HOLT, A.M.,
Dean and Professor of History and Political Science (1905).

EDWARD STURTEVANT HATHAWAY, A.M.,
Frank L. Fisher Professor of Biology (1911).

WILLIAM FORD UPSON, A.M.,
Professor of Modern Languages (1915).
(On leave of absence for service with Department of Commerce.)

MILLAR BURROWS, A.B., B.D.,
Professor of Biblical Literature (1920).

EDWARD DIEPENHORST, M.S.,
Professor of Chemistry (1920).

* Dates refer to time of appointment.

HERMAN MARTIN FOSS, A.B.,
Professor of English (1920).

ISABEL STEWART KENNEDY,
Modern Languages (1920).

EDWARD RUTHERFORD GRAY, A.M.,
Professor of Economics and Sociology (1921).

ROBERT ROY VANCE, A.M.,
Professor of Philosophy and Education (1921).

HARVEY J. ROELS, A.B.,
Physical Director (1921).

MARION ALBERTA GRAY,
Assistant in Modern Languages.

ELIZABETH ANTOINETTE HILL,
Student Assistant in Biology.

ACADEMY

WILLIAM C. CLEMENS, A.M.,
Mathematics (1918).

HERBERT CLYDE MACAMIS, A.B.,
Agriculture and General Science (1919).

MARTHA NOYES BIRNIE, A.M.,
English (1921).

MARY ACKERLY HOLT, A.B.,
History (1921).

HARVEY J. ROELS, A.B.,
History and Civics (1921).

MILDRED MARIE HOFFMAN,
Tutor in Biblical Literature.

DONALD B. MILLER,
Tutor in Physics.

MUSIC

SAMUEL ELMER STEWARD, M.B.,
Piano, Harmony and History (1921).

NELLIE LOUISE HUMPHREY,
Voice (1921).

HOME ECONOMICS

EDITH LILLIAN STETSON, Ph.B.,
Director of Home Economics (1909).

MARY MELBE DEFORD,
Domestic Art (1921).

OTHER OFFICERS

REV. MILLAR BURROWS,
College Pastor.

E. R. GRAY,
Bursar.

EDITH A. MCCALLUM,
Dean of Women.

MYRTLE McAMIS RADER, A.B.,
Librarian.

LUCY M. JEWELL,
MRS. J. R. LEE, A.B.,
Matrons.

DOROTHY STANLEY, A.B.,
Secretary.

COMMITTEES OF THE FACULTY

Admission and Classification: Professors Holt and Vance, and the Secretary.

Athletics: The Physical Director, Professors Hathaway, Diepenhorst and Gray.

Curriculum: Professors Hathaway, Haynes and Gray.

Discipline: Dean Holt, Dean McCallum, and Professors Haynes and Rankin.

Library: The Librarian, Professor Gray and Miss Kennedy.

HISTORICAL SKETCH

TUSCULUM COLLEGE traces its origin to two historic schools, GREENEVILLE COLLEGE and TUSCULUM ACADEMY. In 1780 Rev. Hezekiah Balch, D.D., a graduate of Princeton, began the work of preaching and teaching in Greeneville, and in 1794 the legislature of the Territory South of the Ohio River chartered GREENEVILLE COLLEGE, with Dr. Balch as its first president. The school was a success from the start, the second year showing an attendance of one hundred students.

TUSCULUM ACADEMY was founded in 1818 near the present site of the college. Rev. Samuel Doak, D.D., also a graduate of Princeton, with his son, Rev. Samuel W. Doak, D.D., conducted the early work of the academy, which in 1844 was chartered as TUSCULUM COLLEGE.

During the Civil War higher education came to a standstill in East Tennessee, students and professors of both colleges arraying themselves on one side or the other of the conflict. The buildings became barracks for soldiers, the apparatus was destroyed, the library scattered, and the ruin seemed complete.

At the close of the war the trustees decided to revive and unite the two institutions, so in 1868 work

was resumed at Tusculum under the name of GREENEVILLE AND TUSCULUM COLLEGE. The years that followed were marked by substantial growth in all departments. New courses of study were introduced, the teaching force enlarged, the grounds extended and new buildings erected.

In 1908 an unsuccessful effort was made to unite Greenville and Tusculum College with Washington College under the name of WASHINGTON AND TUSCULUM COLLEGE, and in 1912 the corporate name was changed to TUSCULUM COLLEGE.

SUMMARY OF DATES

- 1794—Greenville College chartered.
- 1818—Tusculum Academy founded.
- 1841—First brick building erected at Tusculum (present "Old College").
- 1844—Tusculum College chartered.
- 1862-1868—Colleges closed.
- 1868—Greenville and Tusculum Colleges united.
- 1887—McCormick Hall opened.
- 1891—Craig Hall opened.
- 1901—Virginia McCormick Hall opened.
- 1908—Union of Greenville and Tusculum College with Washington College attempted.
- 1910—Carnegie Building opened.
- 1912—Corporate name changed to Tusculum College.
- 1915—Haynes Hall opened.

PURPOSE OF THE COLLEGE

The purpose of Tusculum College is to develop men and women of substantial Christian character and liberal culture. Its curriculum is composed of those subjects which are regarded as essential to a thorough, cultural education, together with a sufficient range of elective courses to meet the special needs of the varied lines of present-day activity. It seeks to prepare its students for definite useful work in the mental, moral and industrial life of the Appalachian region.

In all its activities, the College seeks to impart the religious and ethical ideals which are so vital a part of the training for any form of useful service.

PART II

THE COLLEGE

ADMISSION

COURSES OF STUDY

DEPARTMENTS OF INSTRUCTION

REQUIREMENTS FOR ADMISSION

ADMISSION TO FULL STANDING

To receive full standing in the Freshman class, the applicant must show that he has done work equivalent to fifteen units. A unit represents approximately one-fourth of a year's work in a secondary school. This is usually equivalent to a subject taken through one school year for five periods, of forty-five minutes each, per week. Thus, in standard schools, Latin, five periods per week for one year equals one unit; English, three periods per week for one year equals three-fifths of a unit; Botany, five periods per week for one-half year equals one-half unit.

Students desiring further information as to their standing should address the Secretary of the College, asking for an application blank. On this blank the applicant's high school principal will make certificate of the work done.

SUBJECTS REQUIRED FOR ADMISSION

Prescribed —

English	3	units
Mathematics	2½	units
History	1	unit
		<hr/> 6½ units

Optional —

Either (a) four years of Latin, or (b) two years of a foreign language, plus two years of Science	4	units
---	---	-------

<i>Free electives</i>	4½	units
	<hr/> 15	units

SUBJECTS ACCEPTED AS ENTRANCE UNITS

Agriculture.	Geometry, Plane.
Algebra.	Geometry, Solid.
Astronomy.	German.
Biology.	Greek.
Bookkeeping.	Italian.
Botany.	Latin.
Chemistry.	Manual Training.
Civics.	Music.
Domestic Science.	Physical and Commer-
Drawing.	cial Geography.
English.	Physics.
French.	Physiology.
General Science.	Spanish.
	Zoölogy.

For definition of entrance units in Music and Domestic Science, see the announcements of these departments.

The maximum number of units in different departments accepted for admission is as follows: Vocational Subjects, 4; History, 3; Music, 1.

MODES OF ADMISSION

Students who have passed in the required work in schools accredited by the State High School Inspector will be admitted without examination on presentation of a certificate showing the courses taken and grades received.

It is of the utmost importance that each student bring or send his certificate at the time when he applies for admission.

Applicants not presenting certificates from accredited schools may be admitted on examination. For 1922 the dates of these examinations will be as follows: Algebra and Geometry, September 13; English, September 14; Latin and Modern Languages, September 15; other subjects, September 16.

ADMISSION WITH CONDITIONS

Students offering fourteen of the fifteen required entrance units may be admitted to the Freshman class with a condition in one unit. This condition may be removed by work in the Academic Department.

Applicants presenting fifteen acceptable units, but deficient in some of the subjects required, will be admitted to the Freshman class, but will be required to elect in the College, courses covering the deficiency.

No student can receive Sophomore rank until all entrance requirements are satisfied.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing on presentation of certificate of work done in another college. No college credit is given for work done in high school.

ADMISSION TO SPECIAL STUDY

Students deficient in entrance credit who are not candidates for any degree may, at the discretion of the faculty, be admitted to special study in such subjects as they may choose, provided they satisfy the instructors in charge that they are capable of doing such work.

REGISTRATION

Students are especially urged to enter promptly at the beginning of each semester.

A registration fee of \$1.00 is charged to all who enter after the assigned registration days. Such students will be required to pass on the entire semester's work, but will receive credit only on that fraction of the work for which they are in attendance; for instance, a student who enters two weeks late will be subject to a deduction of one-ninth from each course

GENERAL REQUIREMENTS

Only those persons should apply for admission to Tusculum College who are of good moral character and have a serious desire to work. Students entering from other schools must present letters of honorable dismissal.

COURSES OF STUDY

REGULAR COURSE

The regular course leading to the degree of Bachelor of Arts, covers a period of four years. Optional groups of subjects are offered in the Classics and Sciences.

Graduates are accepted without examination as teachers in the high schools of first rank in Tennessee, provided they have elected the courses in Education required by the state.

CERTIFICATE COURSES

In addition to the above course leading to the Bachelor's degree, special courses are offered in Music and Home Economics.

Certificates are granted in each of these departments to students who have completed the course and earned sixty college credits (equivalent to the work of the Freshman and Sophomore years). Credit toward the Bachelor's degree is given for work in these departments.

SPECIAL STUDENTS

Students not candidates for degrees may elect such work as they desire, subject to the approval of the faculty. Such students are required, however, to take the regular work in Bible. They are not eligible to scholarships, honors or prizes.

REQUIREMENTS FOR GRADUATION

CREDITS

A credit is a minimum of one hour of classroom work or two and one-half hours of laboratory work per week for one semester. Some elementary courses and those not involving heavy outside preparation require more than one hour in class to equal a credit hour.

One hundred and twenty credits are required for the A.B. degree. Thus, to graduate in four years, the student must carry, on the average, fifteen credit hours per week throughout the course.

Of the 120 credits required, about 40 per cent are prescribed, 20 per cent limited electives and the remaining 40 per cent free electives.

MAJOR SUBJECTS

Beginning with the class of 1924, each candidate for a degree must complete the requirements for a major in one of the groups listed below. The credits required for majors in the different groups are as follows:

Biblical Literature and Philosophy. Twenty-four credits.

Biology—Chemistry. Twenty-four credits. This work may be taken all in one department, or sixteen credits in one department, and eight in the other.

Economics and Sociology. Twenty credits.

English Language and Literature. Twenty-four credits.

History and Political Science. Twenty credits.

Home Economics. Twenty-four credits, of which sixteen must be in Household Economics and eight in Sewing.

Languages. Twenty-two or twenty-four credits, consisting of

- (1) Three years' work in one language and one year in another, -or
- (2) Two years' work in each of two languages.

Mathematics and Physics. Twenty credits.

Music. Twenty-two credits, which must consist of one of the following groups:

- | | |
|-------------------------------|------------|
| (1) Theoretical Courses | 14 credits |
| Piano | 8 credits |
| (2) Theoretical Courses | 12 credits |
| Piano | 6 credits |
| Voice | 4 credits |

QUALITY POINTS

In addition to the credits required for graduation, each candidate for a degree must have earned quality points equal to one and one-half times the number of credits required. Quality points are assigned in accordance with the following schedule:

For grades:

- | | |
|---------|----------------------------------|
| A+..... | 6 quality points per credit hour |
| A..... | 5 quality points per credit hour |
| B..... | 4 quality points per credit hour |
| C..... | 2 quality points per credit hour |
| D..... | 0 quality points per credit hour |

Quality points are also earned by creditable participation in student activities—forensic, literary, athletic, musical, etc. These are awarded on the basis of a definite schedule, but are subject to approval by the faculty of the quality of work done.

DEGREES WITH DISTINCTION

Degrees with distinction are granted for high attainments throughout the college course. These honors are based on general development as measured by the number of quality points earned by high scholarship and successful participation in student activities.

The quality points required for the different grades of distinction are as follows: *cum laude*, 4 per credit hour; *magna cum laude*, 5 per credit hour; *summa cum laude*, 6 per credit hour.

Every course which a student enters, whether completed or not, shall be included among the credits on which quality points must be earned for a degree with distinction, unless the student is advised by the office, for good reasons, to discontinue the course.

COURSES REQUIRED IN FRESHMAN YEAR

First Semester Second Semester

* English I and II.....3 credits...3 credits

Bible I2 credits

Latin I and II, or Science..4 credits...4 credits

† Language (other than

Latin)3 credits...3 credits

One of the following:

Mathematics I-II.....3 credits...3 credits

Home Economics I-II..4 credits...4 credits

* Students found to be deficient in their knowledge of English will be required to take English A-B, without credit.

† May be postponed to Sophomore year by those taking Latin I-II.

COURSES REQUIRED IN SOPHOMORE YEAR

	<i>First Semester</i>	<i>Second Semester</i>
English VII and VIII...	2 credits	2 credits
Language	3 credits	3 credits
‡ Economics I-II	3 credits	3 credits
‡ Psychology I	3 credits	
§ Science	4 credits	4 credits
Bible II		2 credits

COURSES REQUIRED IN JUNIOR YEAR

	<i>First Semester</i>	<i>Second Semester</i>
Logic	3 credits	
Bible VI		2 credits
One of the following:		
Sociology I-II	3 credits	3 credits
Political Science I		
and IV	3 credits	3 credits

COURSES REQUIRED IN SENIOR YEAR

	<i>First Semester</i>	<i>Second Semester</i>
Bible VII	3 credits	
Senior Oration (must be completed by May 10th).		

RULES GOVERNING ELECTION OF STUDIES

No student shall be allowed to earn more than seventeen credits during any one semester, unless said student during the previous semester have a grade of

‡ One of these courses may be postponed until the Junior year, at the discretion of the Classification Committee.

§ Required only of those who do not elect Science in the Freshman year.

A in all his work except four credit hours, in which he must have a grade of B, and then only at the discretion of the faculty.

Beginning courses in two languages shall not be regarded as satisfying the language requirements of the Freshman and Sophomore years.

Elective courses for less than five students will be conducted only at the discretion of the college authorities.

CONDITIONS AND FAILURES

A student conditioned in any subject (*i. e.*, having a semester grade of E) may take one re-examination not sooner than two weeks after the regular examination. If he fails to remove the condition by this re-examination, he can receive credit only by repeating the course. No re-examination is allowed if the semester grade is F, and the student is not permitted to continue in the course.

RANKING OF STUDENTS

	<i>Credits required for full standing</i>	<i>Minimum</i>
Sophomore	30	27
Junior	60	57
Senior	90	87

At the end of the first semester a student may advance to the next higher class if his total number of credits then equals the number required for *full standing* in that class.

SUMMARY OF ELECTIVE COURSES

The letters Fr., So., Jr., Sr., indicate in which of the college years the courses are usually taken. Upper-class subjects are open to underclassmen only by permission.

Odd numbers indicate first semester courses; even numbers, second semester.

BIBLICAL LITERATURE AND HISTORY

	<i>Credits</i>		<i>Credits</i>
I. Old Testament History (Fr-So).....	2	II. New Testament History (Fr-So).....	2

BIOLOGY

I. Animal Biology (Fr-So)...	4	II. Economic Zoölogy (Fr-So)...	4
III. Physiology (So-Jr).....	4	IV. Sanitation (So-Jr).....	4
V. Anatomy (Jr-Sr).....	4	VI. Embryology (Jr-Sr).....	4
VII. Plant Biology (Fr-So)....	4	VIII. Economic Botany (Fr-So)..	4
IX. Genetics (So-Jr).....	3	X. Genetics (So-Jr).....	3
		XII. Ornithology	2

CHEMISTRY

I. Inorganic (Fr)	4	II. Inorganic (Fr)	4
III. Household (Fr)	4	IV. Household (Fr)	4
V. Qualitative Analysis (So)...	4	VI. Quantitative Analysis (So)...	4
VII. Organic (Jr)	4	VIII. Organic (Jr)	4
IX. Physical (Jr)	2	X. Physical (Jr)	2

ECONOMICS AND SOCIOLOGY

ECONOMICS

III. Statistics (So-Jr)	3	IV. Accounting (So-Jr)	3
V. Econ. Hist. of Europe (Jr.)	3	VI. Econ. Hist. of U. S. (Jr)...	3
VII. Money (Jr-Sr)	3	VIII. Banking (Jr-Sr)	3

SOCIOLOGY

I. Principles of Sociology (So-Jr).....	3	II. Applied Sociology (So-Jr)..	3
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ENGLISH

	<i>Credits</i>		<i>Credits</i>
III. American Literature (Fr-So).....	3	IV. English Literature (Fr-So) .	3
V. English Literature (So-Jr) .	2	VI. Victorian Literature (So-Jr) .	2
IX. Shakespeare (Jr-Sr)	2	X. Shakespeare (Jr-Sr)	2
XI. Public Speaking (Fr-So) ..	1	XII. Argumentation (Fr-So)	2
		XIV. Advanced Rhetoric (Jr-Sr) .	2

GREEK

I. First Greek (Fr).....	4	II. Anabasis (Fr)	4
III. Homer	3	IV. Homer	3
		VI. New Testament	3

HISTORY AND POLITICAL SCIENCE

HISTORY

I. Modern (Fr-So).....	3	II. Modern (Fr-So)	3
III. American (Fr-So)	3	IV. American (Fr-So).....	3
V. Contemporary (a) (So-Jr) .	3	VI. Contemporary (b) (So-Jr)...	2
VII. Methods in Teaching His- tory (Jr-Sr).....	2	VIII. Geography and World His- tory (Jr-Sr).....	2
IX. French Revolution (Jr-Sr) .	2	X. Ancient Civilization (Jr-Sr) .	2
XI. American Biography (Jr-Sr).....	3	XII. American Biography (Jr-Sr) .	3

POLITICAL SCIENCE

I. American Politics (Jr-Sr)...	3	II. Political Science (Jr-Sr)....	2
III. International Law (Jr-Sr) .	2	IV. Constitutional Government (Jr-Sr).....	3
V. American Political Parties (Jr-Sr).....	2		

LATIN

A. Elementary (Fr).....	3	B. Cæsar (Fr)	3
C. Cicero (Fr-So).....	3	D. Virgil (Fr-So).....	3
I. Livy (Fr).....	4	II. Horace (Fr).....	4
III. Tacitus (So-Jr)	3	IV. Seneca and Pliny (So-Jr) ..	3
V. Elegiac Poets (Jr-Sr).....	3	VI. Plautus and Terence (Jr-Sr) .	3

MATHEMATICS AND PHYSICS

MATHEMATICS

*Credits**Credits*

III. Analytics (So-Jr)..... 3	IV. Surveying (So-Jr) 3
V. Spherical Trigonometry (Jr-Sr) 2	
VII. Calculus (Jr-Sr) 3	VIII. Calculus (Jr-Sr) 3
IX. Drafting (So-Jr) 3	X. Drafting (So-Jr) 3
	XII. Astronomy (Jr-Sr) 3

PHYSICS

I. Advanced General Physics (So-Jr)..... 4	II. Advanced General Physics (So-Jr)..... 4
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MODERN LANGUAGES

FRENCH

I. Elementary (Fr) 3	II. Elementary (Fr) 3
III. Intermediate (Fr-So)..... 3	IV. Intermediate (Fr-So)..... 3
V. Literature (So-Jr)..... 2	VI. Literature (So-Jr)..... 2
VII. Conversation (Jr-Sr)..... 2	VIII. Conversation (Jr-Sr)..... 2

GERMAN

I. Elementary (Fr) 3	II. Elementary (Fr) 3
III. Intermediate (Fr-So)..... 3	IV. Intermediate (Fr-So)..... 3
V. Classics (So-Jr)..... 3	VI. Classics (So-Jr)..... 3

SPANISH

I. Elementary (Fr) 3	II. Elementary (Fr) 3
III. Intermediate (Fr-So)..... 3	IV. Intermediate (Fr-So)..... 3

PHILOSOPHY AND EDUCATION

PHILOSOPHY

	IV. Soc. Psychology (Jr-Sr).... 2
V. History of Philosophy (Sr) 3	VI. History of Philosophy (Sr). 3

EDUCATION

I. Ed. Psychology (Jr-Sr).... 2	II. Methods (Jr-Sr) 3
III. History of Education (Jr-Sr) 3	IV. American High School (Jr-Sr)..... 2

DEPARTMENTS OF INSTRUCTION

BIBLICAL LITERATURE AND HISTORY

NOTE.—Courses III and IV will be given every other year, alternating with Courses I and II respectively. One Old Testament course and one New Testament course must be taken during the Freshman and Sophomore years. By satisfying this requirement in one year and electing the courses given the following year, the entire Bible may be covered in two years.

I. *Old Testament History and Literature (Pre-exilic).*

The life and thought of the Hebrew people from earliest times to 586 B. C., as exhibited in their literature. A study of the earlier Old Testament writings in chronological order, with reference to their historical setting, literary form and religious purpose.

(Not given in 1922-23.)

Text: McFadyen's Introduction to the Old Testament.

Two credits, first semester. Required of all Freshmen.

II. *New Testament History and Literature: The Life of Christ.*

A study of the sources in their historical setting.

(Not given in 1922-23.)

Two credits, second semester. Required of all Sophomores.

III. *Old Testament History and Literature (Post-exilic).*

This is a continuation of Course I, covering the period from 586 to the time of Christ.

Text: Sander's History of the Hebrews.

Two credits, first semester. Required of all Freshmen.

IV. *New Testament History and Literature: The Apostolic Age.*

The early development and life of the church and its literature, with special attention to the writings of Paul.

Two credits, second semester. Required of all Sophomores.

VI. *The Philosophic Basis of the Christian Religion.*

The fundamental teachings of Christianity and the reasons for accepting them.

Texts: Cairns' Reasonableness of the Christian Faith; Jefferson's Things Fundamental.

Two credits, second semester. Required of all Juniors.

VII. *Christian Ethics.*

In the light of a historical survey of moral ideas and practices and an examination of the moral consciousness and the problem of the Highest Good, the ethical teachings of Jesus are studied with reference to their original setting and their application in modern life.

Texts: Drake's Problems of Conduct; Kent and Jenks' Jesus' Principles of Living.

Three credits, first semester. Required of all Seniors.

BIOLOGY

I. *Animal Biology.*

A study of the properties of living matter; the vital processes of animals; a brief review of comparative embryology; introduction to heredity; the adaptation of structures to functions; the evidences of evolution.

Text: Shull's Principles of Animal Biology.

Four credits, first semester (two lectures and five hours of laboratory per week).

II. *Economic Zoölogy.*

A survey of the animal kingdom, in which most of the time is devoted to forms which are important in commerce, agriculture or public health. The work consists of lectures, dissections and field studies of living forms.

Text: Pearse's General Zoölogy.

Four credits, second semester (two hours lecture, five hours laboratory, per week).

III. *Physiology.*

A thorough study of the vital processes, with emphasis on nutrition and dietetics.

Text: Martin's Human Body, Advanced Course.

Four credits (three hours lecture, two and one-half hours laboratory, per week), first semester. Prerequisite, Chemistry I or III.

IV. *Sanitation and Hygiene.*

The applications of Biology to prevention of disease. Introduction to Bacteriology; food preservation; sanitary analysis of water and milk; a study of the principal bacterial diseases and animal parasites; methods of home and public sanitation.

Text: Rosenau's Preventive Medicine and Hygiene.

Four credits (three hours lecture, two and one-half hours laboratory, per week), second semester. Prerequisites, Chemistry I or III and Biology III.

V. *Vertebrate Anatomy.*

A study of the anatomy of fish, frog, chicken and cat.

Four credits, first semester. Prerequisite, Biology II.

VI. *Embryology.*

Lectures on the development of amphioxus, frog, chick and mammal. Laboratory work on frog and chick. Mounting embryos *in toto* and serial sectioning.

Four credits, second semester. Prerequisite, Biology II.

VII. *Plant Biology.*

A study of the gross and microscopic structure of the flowering plants, their life processes and their relations to the life of animals and the lower forms of plant life. Numerous experiments are performed in plant physiology and plant propagation.

Text: Ganong's College Botany.

Four credits, first semester (two lectures and five hours laboratory per week).

VIII. *Economic Botany.*

A survey of the plant kingdom, in which most of the time is given to the structures and life habits of cultivated plants, noxious weeds and the fungi which cause plant diseases. A brief introduction to Forestry is included. Considerable attention is given to the identification of forms in field and laboratory and to a field study of their habits of growth.

Four credits, second semester (two lectures and five hours of laboratory per week).

IX-X. *Genetics.*

A study of the facts and theories of heredity and their bearing on plant and animal breeding and problems of eugenics.

Text: Babcock and Clausen's Genetics in Relation to Agriculture.

Three credits per semester. Not open to Freshmen.

XII. *Ornithology.*

This is a non-technical course. The work consists of field trips for the identification of birds and study of their habits, reports on field work, lectures and supplementary reading.

Two credits, second semester. No previous training in Biology required.

XIII-XIV. *Special Problems.*

Credit according to work done.

CHEMISTRY

I. *Inorganic Chemistry.*

A study of the general principles of Chemistry, including ionization, dissociation in solution, the varieties of chemical change, atomic weights, valence, gases and the gas laws, molecular weights, chemical equilibrium and solution. Special emphasis is laid on calculations and equations. Demonstrations go hand in hand with the classroom work. Students who have had a course in High School Chemistry are given advanced laboratory work.

Text: McPherson and Henderson's General Chemistry.

Manual: McPherson and Henderson's Laboratory Outlines of General Chemistry.

Four credits (three recitation hours, four laboratory hours per week), first semester.

II. *Inorganic Chemistry.*

A continuation of Course I, including the metals, acids, bases, salts and non-metals, with a study of their properties and reactions.

Four credits, second semester.

III. *Household Chemistry.*

Special emphasis is laid on the needs of young women. The subject matter includes water, the metals, fuels, light and illuminants, combustion, solution, heat, atmosphere and ventilation.

Texts: Snell's Elementary Household Chemistry and McPherson and Henderson's General Chemistry.

Four credits (three recitation hours, four laboratory hours per week), first semester. Required for certificate in Home Economics.

IV. *Household Chemistry.*

A continuation of Course III. A treatment of glass, pottery and porcelain, carbohydrates, fats, proteins, fruit juices,

baking powders, beverages, ferments, preservatives, cleansing agents, disinfection, textiles, dyes and dyeing.

Four credits, second semester. Required for certificate in Home Economics.

V. *Qualitative Analysis.*

A thorough study of the metals with their ionic dissociation in solution. Analysis of solids and liquids.

Text: Noyes' Qualitative Analysis.

Four credits (two recitation hours, six laboratory hours per week). Requisites, Chemistry I and II, or III and IV.

VI. *Quantitative Analysis.*

An elementary course in Quantitative Analysis, including the analysis of simple compounds by the gravimetric and volumetric methods.

Text: Lincoln and Walton's Quantitative Chemical Analysis.

Four credits (one recitation hour, eight laboratory hours per week), second semester. Prerequisite, Chemistry V.

VII. *Organic Chemistry.*

A study of some analytical methods, and a thorough study of the preparation, properties and theory of the Aliphatic Series of the hydrocarbons.

Text: Norris' Organic Chemistry.

Manual: Norris' Laboratory Outlines of Organic Chemistry.

Four credits (two recitations, six laboratory hours per week), first semester. Prerequisite, Chemistry I and II, or III and IV.

VIII. *Organic Chemistry.*

A continuation of Course VII. A treatment of the properties, preparation and uses of the Aromatic Series of the hydrocarbons.

Four credits, second semester.

IX. *Physical Chemistry.*

A theoretical study and review of the gas laws, the periodic system, laws of combination, atomic and molecular theories and solutions.

Text: Lincoln's Physical Chemistry.

Two credits, first semester. Prerequisite, Chemistry I and II.

X. *Physical Chemistry.*

A continuation of Course IX, including a brief treatment of the Phase Rule and its applications, radioactivity, thermochemistry, electrolytic dissociation and conductance.

Two credits, second semester.

ECONOMICS AND SOCIOLOGY

Economics

I-II. *Principles of Economics.*

An introductory course in economic theory and in contemporary economic institutions and problems. Readings in text-books and in current journals; class-room discussions, lectures, and special reports.

Principal texts: Taussig's Principles of Economics (Third edition); Marshall's Materials for the Study of Elementary Economics.

Three credits a semester. Required of Sophomores.

III. *Statistics.*

A course in the interpretation, presentation, and use of statistical data, designed especially for students of economics and applied sociology. A short study of various industrial and financial cycles will introduce the student to the subject of business cycles. Laboratory problems.

Principal texts: Secrist's Introduction to Statistical Methods; Secrist's Readings and Problems in Statistical Methods.

Three credits, first semester. Prerequisites, Mathematics I-II and Economics I-II.

IV. *Bookkeeping and Accounting.*

Double-entry bookkeeping, business practice, and elementary accounting. Laboratory problems.

Principal texts: Klein's *Bookkeeping and Accounting, Complete Course*; Hatfield's *Modern Accounting*.

Three credits, second semester.

V. *Economic History of Europe Since 1800.*

A study of the industrial and commercial development of Europe, with special attention given to England, France and Germany. Especially useful in giving an historical background for politico-economic questions and an economic background for social and political history. A supplementary course to Economics VI. Readings from special books on the various topics considered, lectures, and special reports.

Two credits, first semester. Economics I-II should be taken previously or at the same time.

VI. *Economics History of the United States.*

A topical study of the economic progress of the United States from the period of political independence to the present time. A parallel and supplementary course to Economics V.

Texts: Callender's *Economic History of the United States, 1765-1860*. For the history since 1860, books on the special topics considered will be used.

Two credits, second semester. Economics I-II should be taken previously or at the same time.

VII-VIII. *Money, Banking, and Allied Topics.*

The history and functions of money; the history, theory, and practice of the American and chief European banking systems; crises; foreign exchange; investments; special credit institutions; and financial markets. Various standard texts and current journals are used.

Two credits a semester. Prerequisite, Economics I-II.

IX. *Labor Problems.*

Trade unions, their policies, aims, and methods, their legal status; industrial democracy; unemployment; economic and social considerations for labor legislation and for the direction of public opinion.

Two credits, first semester. Prerequisite, Economics I-II.
(To be offered in 1922-23, but not in 1923-24.)

X. *Socialism, and Other Programs of Social Reform.*

An analysis of the socialist indictment and of the proposed remedy. What is social justice? What is wrong with the present system? Other suggested remedies for present defects.

Two credits, second semester. Prerequisite, Economics I-II.
(To be offered in 1922-23, but not in 1923-24.)

XI. *International Trade.*

The theory and practice of international trade and a careful consideration of tariff problems.

(Not to be offered in 1922-23. Will be offered in 1923-24.)

XII. *Public Finance.*

A study of public expenditures and revenues, with special attention to the problems of taxation.

(Not to be offered in 1922-23. Will be offered in 1923-24.)

Sociology

I. *Principles of Sociology.*

Social forces, processes, and products. The psychological side of sociology is emphasized, with some attention also given to anthropological and economic sociology.

Principal text: Ross' *Principles of Sociology*.

Two credits, first semester. Open to Sophomores with the consent of the instructor.

II. *Applied Sociology.*

A critical study of the principal social problems in the United States. Special readings and reports are a prominent feature of the course.

Principal texts: Ellwood's *Sociology and Modern Social Problems*; Gillin's *Poverty and Dependency*; *The Survey*.

Two credits, second semester. Prerequisites, *Sociology I* and *Economics I-II*.

ENGLISH

A-B. *Sub-Freshman English.*

A course in elementary grammar and rhetoric covering the sentence, parsing, etc. Required of all those who show deficiency in preparation in English. No credit.

I. *Rhetoric and Composition.*

A general survey of the principles of rhetoric; diction; sentence structure; paragraph structure; weekly themes, with special attention paid to the technique of writing.

Three credits, first semester. Required of Freshmen.

Text: Lomer and Ashmun's *The Study and Practice of Writing English*.

II. *Composition.*

A course in the principles of composition; weekly themes.

Text: Blaisdell's *Composition and Rhetoric*.

Three credits, second semester. Required of Freshmen.

III. *American Literature.*

Required parallel readings from leading American writers, with reports and essays.

Texts: Page's *Chief American Poets*; various *Histories of American Literature*.

Three credits, first semester. Elective to Freshmen and Sophomores.

IV. *English Literature to the Age of Romanticism, 1740.*

Selections from Beowulf; Chaucer's *Canterbury Tales*—Prologue, Knight's Tale, The Nun's Priest's Tale; Shakespeare—one play of each class; Milton—*Paradise Lost*, Books I and II, and minor poems; selections from leading prose writers.

Texts: *Century Readings in English Literature*; various *Histories of English Literature*.

Three credits, second semester. Elective to Freshmen and Sophomores. Prerequisite, Literature d or its equivalent.

V. *English Literature from 1740 through the Age of Romanticism.*

Special study of the works of Burns, Scott, Wordsworth, Byron, Shelley, Keats and DeQuincey.

Texts: Page's *British Poets of the Nineteenth Century*; various *Histories of English Literature*; *Pocket Classics*.

Two credits, first semester. Elective to Sophomores and Juniors. Prerequisite, Literature d or its equivalent.

VI. *The Victorian Age.*

Required readings from Macaulay, Carlyle, Newman, Ruskin, Dickens, George Eliot, Thackeray and others; class study of Browning and Tennyson.

Texts: Same as in Course V.

Two credits, second semester. Elective to Sophomores and Juniors.

VII-VIII. *Advanced Composition.*

A course in advanced composition, with special attention to the outlining and the preparation of long themes. Weekly papers.

Two credits per semester. Required of Sophomores.

IX-X. *Shakespeare.*

Critical study of Shakespeare's plays. Required readings: Brandes—William Shakespeare; Mrs. Jameson—Shakespeare's

Heroines; Winter—Shakespeare's England; Marlowe—Jew of Malta; Lodge—Rosalynde; Brooke—The Tudor Drama.

Texts: Cambridge Edition of Shakespeare's Plays; Dowden's Shakspeare.

Two credits per semester. Elective to Juniors and Seniors.

XI. *Public Speaking.*

A course in elementary public speaking, touching on the production and control of the voice, pronunciation, enunciation, rate, pitch, inflection, delivery and gesture. Actual practice in the delivering of short orations.

One credit, first semester. Not given for less than ten students.

XII. *Argumentation.*

A course in the theory of argumentation and debate, including analysis of propositions, methods of proof and rebuttal, briefing, preparation of material, and platform practice.

Text: Foster's Argumentation and Debating.

Two credits, second semester. Prerequisite, English XI.

XIII. *Argumentation.*

Preparation and delivery of thoroughly organized debate. Two credits.

XIV. *Advanced Rhetoric.*

Texts: Genung's Rhetoric; Cunliffe and Lomer, Writings of Today.

Two credits, second semester. Prerequisite, English VII-VIII.

GREEK

I-II. *First Greek. Xenophon's Anabasis.*

The first semester is given to the study of grammar and vocabulary. During the second semester three books of the Anabasis are read. Emphasis is placed on the construction of the Greek Language.

Texts: Benner and Smythe's *Beginner's Greek Book*; Goodwin and White's *Xenophon's Anabasis*; Goodwin's *Greek Grammar*.

Four credits per semester. Freshman course.

III-IV. *Homer.*

Odyssey, Books I-III.

Iliad. Selections from Books I-XXIV.

Homeric verse. Homeric life and customs. A history of Greek Literature.

Texts: Perrin and Seymour's *School Odyssey*; Benner's *Selections from the Iliad of Homer*.

Three credits per semester. Prerequisite, Greek I-II.

VI. *New Testament Greek.*

Two of the Gospels are usually read.

Text: Wescott and Hort's *New Testament in Greek*.

Three credits, second semester.

HISTORY AND POLITICAL SCIENCE.

History.

I-II. *Modern History.*

The year will be devoted to the study of Mediæval and Modern History. This course begins with the study of European conditions immediately after the death of Charlemagne and traces the rise and development of the leading world powers to the present time. A detailed study is made of the great world movements, such as the Crusades, Reformation, French Revolution, etc. The course requires note-book work, assigned readings and special reports.

Text: Hayes' *Political and Social History of Modern Europe*, Vols. I and II.

Three credits per semester. (Given 1922-23.)

III. *American History (a).*

Advanced course in American History to the close of the Civil War. Political and constitutional growth of the United States considered rather than military campaigns.

Text: Elson's History of the United States.

Three credits per semester. (Given 1921-22.)

IV. *American History (b).*

Advanced course in American History from the close of the Civil War to the Peace Conference in 1919. A study of our history in our own times, the industrial and commercial development of the United States, and the importance of America as a world power being emphasized.

Text: Haworth. The United States in Our Own Times.

Three credits, second semester. (Given 1921-22.)

V. *Contemporary History (a).*

A course covering the history of Europe during the last fifty years. The wars and diplomatic crises leading up to the great world conflict are carefully considered and the following subjects are studied and discussed:

German Kultur, Germany and the East, Bismarck and his Wars, Austria and Italy, The Balkan Problem, The Alliances and Ententes.

Text: Holt and Chilton's European History, 1862-1914.

Lectures, reports and library work.

Three credits, first semester. Not open to Freshmen. (Given 1921-22.)

VI. *Contemporary History (b).*

A study of the international problems of reconstruction and the proposed League of Nations.

The historical background of the League will be reviewed and the various attempts of nations in the past to find a remedy for war, such as the Concert of Powers, the Hague Conferences, etc.

Such international questions as freedom of the seas, backward areas, mandatories, limitations of armaments, alliances and balances of power will be carefully examined. Some time will be spent considering the proposed League and the problems connected with its adoption.

Text: Duggan's League of Nations.

Two credits, second semester. Not open to Freshmen. (Given 1921-22.)

VII. *Methods in Teaching History.*

The main purpose of this course is to simplify the teaching of History. The difficulties of the classroom are analyzed and methods of solving the problems are suggested. Lessons and topics will be assigned in American History and made the basis for illustrative material, thus making the instruction concrete and practical for those expecting to teach History. The use of helps, such as charts, maps, note books and current magazines, is discussed, and various ways of inciting interest and connecting the lessons with the events of the day are suggested.

Text: Johnson's Teaching of History.

Two credits, first semester. Open to Juniors and Seniors. (Given 1922-23.)

VIII. *Geography and World History.*

A study of the relationship between History and Geography. The geography of the various countries is examined and an attempt is made to show how their history has been controlled by geographical conditions. Lectures and assigned readings.

Texts: Fairgrieve's Geography and World Power.

Sample: American History and Geographic Influences.

Two credits, second semester. (Given 1921-22.)

IX. *History of the French Revolution.*

Study of European conditions as influenced by the French Revolution and Napoleonic Period following. Lectures, papers, special reports, assigned readings.

Text: Holt and Chilton's French Revolution and Napoleon.

Two credits, first semester. Open to Juniors and Seniors. (Given 1921-22.)

X. *Ancient Civilization.*

A rapid survey of the history of the ancient nations down to the fall of Rome. Special attention is paid to the big contributions of the old civilization to modern culture.

Lectures, texts and much reference work.

Two credits, second semester. (Given 1922-23.)

XI-XII. *American Biography.*

A course of lectures covering the lives of twenty-four of the leading statesmen of the United States. The object of this course is to review the history of the United States as it has been illustrated in the lives of its representative men from Franklin to Wilson.

Not only will the personal lives of the men be considered, but also the great political principles of the times in which they lived.

XI. *Statesmen of the Northern States.*

Three credits, first semester. Open to Juniors and Seniors. (Not given 1921-22.)

XII. *Statesmen of the Southern States.*

Three credits, second semester. Open to Juniors and Seniors. (Given 1922-23.)

Political Science.

I. *American Politics.*

In this course are considered the chief American political institutions, national, state and municipal. These institutions are studied historically and comparatively, contrasting them, wherever possible, with similar institutions in European countries.

Text: Beard's American Government and Politics.

Three credits, first semester. (Given 1921-22.)

II. *Political Science.*

A critical analysis of the more important theories concerning the origin, nature, functions and organization of the state.

Text: Garner's Introduction to Political Science.

Two credits, second semester. Elective to Seniors. (Given 1922-23.)

III. *International Law.*

In this course is considered the development of International Law and usage. The principles which underlie the present laws of peace, war and neutrality are the subjects of thorough discussion.

Texts: Davis' or Lawrence's Principles of International Law.

Two credits, first semester. Prerequisite, Course 1. (Given 1922-23.)

IV. *Constitutional Government.*

This course is devoted to the study of the political institutions of Europe, emphasizing especially those of England, France and Germany. Lastly, the United States is studied in comparison with those above.

Texts: Woodrow Wilson's The State; Ogg's The Governments of Europe.

Three credits, second semester. Prerequisite, Course I. (Given 1922-23.)

V. *American Political Parties.*

In this course a rapid review of the history of the development of the political parties in America is made. Their organization and practical methods are studied and the defects and strong points of party government emphasized.

Texts: Ray's Practical Politics and Political Parties.

Two credits, first semester. (Given 1921-22.)

LATIN**A-B. *Grammar and Caesar.***

The first semester is given to grammar and elementary readings; the second semester to Latin Prose and readings in Cæsar's Gallic War.

Three credits per semester. Elective to those who have offered no Latin for college entrance.

C-D. *Cicero, Latin Prose and Virgil.*

The first semester is given to Cicero's Orations and Latin Prose; the second semester to Virgil's Æneid.

Three credits per semester. Prerequisite, Latin A-B or two years of preparatory Latin.

I. *Livy.*

Selections from Books XXI and XXII are read. Review of history of the Punic wars. Authorities and style of Livy. Private life of the Romans. Practice in sight reading.

Four credits, first semester.

II. *Horace.*

Selections from the Odes, Epodes, Satires and Epistles. Horatian metres. More attention to exactness and rhetorical excellence in translations. Outline of Latin Literature.

Four credits, second semester.

III. *Tacitus.*

The Germania and a portion of the Agricola are read. Study of the causes of the decline in Latin letters.

Three credits, first semester. Sophomore elective course.

IV. *Seneca and Pliny.*

Seneca's Moral Essays De Providentia and De Vita Beata are read. Study of Seneca's relation to ecclesiastical history.

Selections from the most important letters of Pliny. Pliny's relation to his times.

Three credits, second semester. Sophomore elective course.

V. *Elegiac Poets.*

Selections from the Propertius, Catullus and Ovid.
Three credits, first semester. Junior elective course.

VI. *Plautus and Terence.*

Selections from the plays of Plautus and Terence. Roman comedy.

Three credits, second semester. Junior elective course.

MATHEMATICS AND PHYSICS

Mathematics

I. *College Algebra.*

Binomial theorem, logarithms, indeterminate coefficients, permutations and combinations, differential treatment of series, theory of equations.

Text: Wentworth's College Algebra.

Three credits, first semester. Freshman course.

II. *Plane Trigonometry.*

This course includes the development of the general formulæ of trigonometry, the theory and use of logarithms, and the application of trigonometry to the solution of practical problems.

Text: Wentworth-Smith's Plane Trigonometry.

Three credits, second semester. Freshman course. Prerequisite, Mathematics I.

III. *Analytics.*

The analytic geometry of the straight line, the circle, and the conic sections. The general equation of the second degree.

Text: Smith and Gale's Analytics.

Three credits, first semester. Prerequisite, Mathematics II.

IV. *Surveying.*

The use and adjustment of instruments. Original survey with compass and transit. Obstructions to the measurement of lines and angles. Resurveys. Allowing for change in

variation. Errors and their distribution; error of closure. Leveling for profile and contours, etc. Plats, made to scale; tracings, blue print.

Three credits, second semester. Prerequisite, Mathematics III.

V. *Spherical Trigonometry.*

Text: Wentworth-Smith's Spherical Trigonometry.

Two credits, first semester. Prerequisite, Mathematics II.

VII-VIII. *Differential and Integral Calculus.*

(1) The principles and formulæ of differential calculus, with applications to such problems as development of series, evaluation of indeterminate forms, maxima and minima, tangents, etc. (2) Principles and formulæ of integral calculus. Determination of length of curves, areas, volumes, etc.

Three credits per semester. Prerequisite, Mathematics III.

X. *General Astronomy.*

The celestial sphere; determination of time, right ascension, declination, latitude and longitude, solar system, parallax and distance, planetary motions, perturbations, eclipses, comets, meteors, the fixed stars, nebular hypothesis.

Three credits, second semester.

XI-XII. *Drafting.*

Instruction in plain lettering, in the use of drafting instruments, the construction and use of scales, construction of geometric problems, the projection of geometric solids on horizontal, vertical, profile and supplementary planes; elementary machine drawing and sketching.

Three credits each semester.

Physics

I-II. *Advanced General Physics.*

Experimental lectures and laboratory work in mechanics, heat, sound, light, magnetism and electricity.

Four credits per semester. Prerequisite, Mathematics III.

MODERN LANGUAGES

French

I-II. *Elementary.*

Grammar, oral and written exercises, conversation, dictation, and easy reading.

Texts: The New Chardenal; Contes et Légendes; Gowin's Conversational Lessons; Short Stories and La Belle France.

Three credits per semester.

III-IV. *Intermediate.*

Review of grammar, continued exercises, conversation, and dictation; reading of modern prose, short stories and dramas.

Texts: Chardenal's Advanced French Course, and such stories and plays as Sand's La Mare au Diable; Gervais' Un Cas de Conscience; Dumas' Le Comte de Monte Cristo; Scribe's La Bataille de Dames; About's Le Roi des Montagnes.

Three recitations and one hour conference per week throughout the year. Three credits per semester. Prerequisite, French II, or two years of preparatory French.

V-VI. *French Literature.*

Readings from modern French writers, De Maupassant, Daudet, etc.; readings from Molière; French correspondence; themes and discussions on works read in class.

Two credits per semester. Prerequisite, French IV.

VII-VIII. *Conversation and Literature.*

French conversation; study of French poetry; reading from the works of Racine, Corneille and Victor Hugo.

Two credits per semester. Prerequisite, French VI.

German

I-II. *Elementary.*

Grammar, oral and written exercises, conversation, dictation, and easy reading.

Texts: Prokosch's German for Beginners; Walter-

Krause's Short Stories for Oral German, and such short stories and dramas as Gerstaecker's Irrfahrten and Elz's Er ist nicht Eifersuechtig.

Three credits per semester.

III-IV. *Intermediate.*

Review of grammar, continued exercises, conversation, and dictation; reading of modern prose, short stories, and dramas, with, sometimes, one of Schiller's dramas.

Texts: Thomas' Practical German Grammar. For reading, such texts as Storm's Pole Poppenspaeler; Freytag's Die Journalisten.

Three credits per semester. Prerequisite, German II or two years of preparatory German.

Spanish

I-II. *Elementary.*

Grammar, oral and written exercises, conversation, dictation and easy reading.

Texts: De Vitis' Spanish Grammar; De Vitis' Spanish Reader; selected readings.

Three credits per semester.

III-IV. *Intermediate.*

Review of grammar, continued conversation, composition and dictation; reading of modern prose, short stories and dramas.

Three credits per semester. Prerequisite, Spanish II.

PHILOSOPHY AND EDUCATION

Philosophy

I. *Elementary Psychology.*

A general view of the science, laying especial emphasis on the broad facts and laws of consciousness. Approximately one period a week is given to performing experiments in the class room, illustrative of the material in the text. A full and accurate note-book record of this is required.

Texts: James' Briefer Course, Witmer's Analytical Psychology, and Seashore's Experiments in Psychology.

Three credits, first semester. Required of all Sophomores.

III. *Logic.*

The methods of the science as well as the nature of thought in general are discussed. The actual criticism of arguments forms a vital part of this course.

Text: Creighton's Logic.

Three credits, first semester. Required of all Juniors.

IV. *Social Psychology.*

A study of social planes and currents caused by the interplay of human minds. Such topics as mob mind, fashion, conventionality, the crowd, etc., are studied. Illustrative material from the student's own experiences forms a large part of the course.

Texts: Ross' Social Psychology; Cooley's Human Nature and the Social Order.

Two credits, second semester. Prerequisite, Psychology I.

V-VI. *History of Philosophy.*

All the important systems of Ancient, Mediæval and Modern Philosophy are studied and compared. Special attention is given to the influence of philosophical ideas on the social, political and religious life of the race. Readings in original writings of philosophers are required.

Text: Weber's History of Philosophy.

Three credits per semester. Elective to Juniors and Seniors.

Education

The courses in Education are given with the view of meeting the requirements of the State of Tennessee for the certification of high-school teachers of the first grade without examination. Tusculum is on the accredited list, and certificates will be issued without examination to all graduates of the College who have completed six courses in Education,

two of which shall have reference to high-school work. Psychology I, Sociology II, Home Nursing, History VII, and Biology IV are counted as Education courses.

I. *Educational Psychology.*

A treatment of the principles of education in their psychological aspects. The nature of the child, its instincts and their methods of development are subjects for intensive study. The application to actual school-room practice is always uppermost in these discussions.

Text: Pyle's Outlines of Educational Psychology.

Two credits, first semester. Prerequisite, Psychology I.

II. *Methods of Teaching.*

This course considers the application of educational principles to actual school-room practice. Especial emphasis is put upon the method of study and teaching pupils how to study. The recitation is also discussed in all its phases. Papers of individual investigations and observations are required from time to time. The different students in the class are also required to conduct the recitation under the supervision of the instructor and the criticism of the other members of the class.

Three credits, second semester. Prerequisite, Psychology I.

III. *History of Education.*

The aim of this course is to trace fully the development of the leading educational theories, a thorough discussion of ideals and systems, and their relation to present-day problems and practice. Especially recommended to those who intend to teach.

Text: Monroe's Briefer Course.

Three credits, first semester. Prerequisite, Psychology I.

IV. *The American High School.*

A discussion of the function of the High School, its organization and administration. The curriculum of the High School receives special attention.

Two credits, second semester. Elective to Juniors and Seniors.

PART III

THE ACADEMY

DESCRIPTION OF COURSES

THE ACADEMY

THE purpose of the Academy is to prepare students to enter college and to give a useful education to those who may not have the opportunity to complete a college course.

To enter the First Year, a student must have completed full Grammar School work, including Reading, Grammar, Arithmetic, Geography and United States History.

If, after a student has been classified, it is evident that his previous training is inadequate, he will be required to enter the class in the subject in which he is deficient.

Certificates of graduation are granted to those students who have earned sixteen units, including all those required for college entrance at Tusculum.

Certificates with different grades of honor are granted for high attainments throughout the course. These honors are based on general development as measured by the number of quality points earned by high scholarship and successful participation in student activities. Quality points for preparatory students are computed in the same general way as for college students. See page 24.

The quality points required for the different grades of honor are as follows: *with honor*, four per credit hour; *with high honor*, five per credit hour; *with highest honor*, six per credit hour. (A credit hour is 1-10 of a unit.)

SYNOPSIS OF ACADEMIC COURSE

Approximately twenty periods of class work per week is required in each year of the Academy course. Each period is sixty minutes in length, except laboratory periods, which are one hundred and twenty minutes.

A student in any year may take an elective course of that year in place of any course in the following outline which is not required for college entrance at Tusculum.

First Year

	<i>First Semester</i>	<i>Second Semester</i>
Composition	5 hours.....	5 hours
Beginning Latin.....	5 hours.....	5 hours
Elementary Algebra.....	5 hours.....	5 hours
General Science	4 hours.....	4 hours
Bible a.....	2 hours.....	2 hours
	<hr/>	<hr/>
	21 hours	21 hours
Physical and Commercial Geog-		
raphy (elective)	5 hours.....	5 hours

Second Year

	<i>First Semester</i>	<i>Second Semester</i>
Literature b.	5 hours.....	5 hours
Cæsar and Latin Prose.....	5 hours.....	5 hours
Plane Geometry.....	5 hours.....	5 hours
Ancient History	5 hours.....	3 hours
Bible b.....	.....	2 hours
	<hr/>	<hr/>
	20 hours	20 hours
Agriculture a (elective).....	5 hours.....	5 hours

Third Year

	<i>First Semester</i>	<i>Second Semester</i>
Literature c.....	5 hours.....	3 hours
Cicero and Latin Prose.....	5 hours.....	5 hours
Solid Geometry	5 hours	
Higher Algebra		5 hours
French a	5 hours.....	5 hours
Bible c.....		2 hours
	<hr/> 20 hours	<hr/> 20 hours
Agriculture b (elective).....	5 hours.....	5 hours
Civics (elective)	5 hours	
English History (elective).....		5 hours
Sewing a (elective).....	5 hours.....	5 hours

Fourth Year

	<i>First Semester</i>	<i>Second Semester</i>
Literature d.....	3 hours.....	5 hours
Virgil	5 hours.....	5 hours
Physics a.....	5 hours.....	5 hours
French b	5 hours.....	5 hours
Bible d.....	2 hours	
	<hr/> 20 hours	<hr/> 20 hours
Cooking a. (elective).....	5 hours.....	5 hours
Agriculture (elective)	5 hours.....	5 hours
Sewing b (elective).....	5 hours.....	5 hours

Third- and fourth-year students may take for credit subjects catalogued for first- and second-year students only by special permission and by doing extra assignments of work.

DESCRIPTION OF COURSES IN ACADEMY

Biblical Literature

A systematic study of the Bible is begun in the preparatory department, and is required of each student for two hours per week for at least one semester in each year.

a 1-2. *Old Testament Heroes.*

A study of the lives of the leading characters of the Old Testament.

Text: Keedy's Old Testament Heroes.

Required in first year, both semesters.

b 2. *The Life of Jesus.*

A study of the life of Jesus as given by Saint Mark, followed by a comparative study of the narrative in the four Gospels.

Required in the second year, second semester.

c 2. *Life of St. Paul.*

A study of the life and work of St. Paul and other leaders in the early Christian Church.

Required in third year, second semester.

d 1. *Parables of Jesus.*

A study of the parables of Jesus as recorded in the four Gospels.

Required in fourth year, first semester.

English

a 1-2. *Composition.*

Readings from Literature—Halleck and Barbour.

Text: Lewis and Hosis—Practical English for High Schools.

Required in first year.

b 1-2. *Literature and Composition.*

For study: Types of the Short Story; Hawthorne—Twice Told Tales; Longfellow—The Courtship of Miles Standish; Whittier—Snowbound; Bret Harte—Poems and Stories; Shakespeare—The Merchant of Venice and Hamlet; Bunyan—Pilgrim's Progress; Goldsmith—The Vicar of Wakefield.

Required in second year.

c 1-2. *Literature and Composition.*

For study: Washington, Webster and Lincoln; Shakespeare—Julius Cæsar and Macbeth; George Eliot—Silas Marner; Dickens—A Tale of Two Cities; Emerson—Essay on Manners; Tennyson—Idylls of the King.

Required in third year.

d 1-2. *History of American and English Literature.*

First semester, American Literature. Pace—Readings in American Literature; typical American novels.

Text: Halleck's History of American Literature.

Second semester, English Literature. Pace—Readings in English Literature; typical English novels.

Text: Halleck's History of English Literature.

Required in fourth year.

French

a 1-2. *Elementary.*

Conversational lessons, grammar, written exercises and easy reading.

Reproduction in French of stories and texts read.

Texts: François' Beginner's French, Ballard's Short Stories for Oral French, Geurber's Contes et Légendes.

b 1-2.

Continuation of Course I. Review of Grammar. Reproduction in French continued. Written work and reading.

Texts: François, LaBelle France, Dix Contes Modernes, Le Voyage de Monsieur Perrichon, Le Roi des Montagnes, and others.

History and Civics

a 1-2. *Ancient History.*

The first semester will be given to the study of Grecian History from the Early Mycenæan Age down to the Roman occupation of Greece. The second semester will be devoted to the study of Roman History down to the time of Charlemagne. In both courses text-book work will be supplemented by outline notebooks, assigned readings, and stereopticon lectures by the instructor.

Texts: Morey—Outlines of Greek and Roman History; Pupil's Outline and Notebook of Grecian History; McKinley—Pupil's Outline and Notebook of Roman History.

Elective in second year.

b 1. *Civics.*

An elementary study of the workings of the national, state and municipal governments, and the rights and duties of the citizen. Current articles in magazines and newspapers bearing on the course are read and discussed.

Elective in the third year, first semester.

b 2. *English History.*

During this year the history of England will be traced from its early beginnings to the present day.

Texts: Walker—Essentials of English History; Smith—Pupils' Notebook and Study Outline.

Elective in the third year, second semester.

Latin

a 1-2. *Beginning Latin.*

Both semesters are given to beginning Latin. Special attention is given to pronunciation (Roman), forms, syntax and translations. Some attention to derivation of English words from the Latin.

Text: Pearson—Essentials of Latin.

Required in first year, Classical Course,

b 1-2. *Caesar and Latin Prose.*

Four books of Cæsar's Commentaries on the Gallic War are read. Special work is required on the subjunctive mood and indirect discourse. Grammar study and sentence analysis.

Required in second year, Classical course.

c 1-2. *Cicero and Latin Prose.*

Cicero's Orations against Catiline and for Marcellus and Archias. Sight reading; study of the Roman Forum.

Cicero, first semester; Latin Prose, second semester.

Required in third year, Classical course.

d 1-2. *Vergil.*

First six books of Vergil's *Æneid* (Knapp's). Careful study of Latin Prosody and Vergilian verse. Study of the author's works and literary influence. Outlines of Mythology. Sight reading.

Required in fourth year, Classical course.

Mathematics

a 1-2. *Elementary Algebra.*

The fundamental laws, laws of exponents, formulas of multiplication, factoring, common divisors and multiples, complex fractions, simultaneous equations of the first degree, theory of exponents, radicals, an elementary presentation of powers and roots, quadratics.

Text: Wentworth-Smith—Academic Algebra.

Required in first year.

b 1-2. *Plane Geometry.*

The usual theorems and constructions, including the properties of plane figures, the circle and measurement of angles, similar polygons, areas, regular polygons, and the measurement of the circle; original exercises. Applications to the mensuration of lines and plane surfaces.

Text: Wentworth-Smith—Plane Geometry.

Required in second year.

c 1. *Solid Geometry.*

The usual theorems and constructions, including the relations of planes and lines in space, the properties and measurement of prisms, pyramids, cylinders and cones; the sphere and spherical triangles; original exercises. Applications to the mensuration of surfaces and solids.

Text: Wentworth-Smith—Solid Geometry.

First semester, third year.

c 2. *Higher Algebra.*

Theory of quadratics; imaginaries, inequalities, ratio and proportion, variation, the progressions.

Text: Wentworth—College Algebra.

Second semester, third year.

Physical and Commercial Geography

First semester: Physical Geography.

Second semester: Commercial Geography.

Elective in first year.

Science*General Science.*

An introduction to the elementary principles of Biology, Chemistry, Physics and Geology, with special reference to their bearing on human life and health.

Careful notes are required in both class and laboratory work.

Text: Lake's General Science.

Agriculture a 1-2.

A general course, including the study of soils, crops, animal husbandry, dairying and horticulture. Text-book work supplemented by laboratory work on the college farm. All phases of the subject are briefly considered and the work is made thoroughly practical.

Open to students who have finished the first year of preparatory work. Five periods per week throughout the year.

Agriculture b 1. Farm Crops and Fertilizers.

Lectures, laboratory work and field trips dealing with the principal farm crops of the region. Care and selection of seed corn, a study of corn, wheat, oats, barley and leguminous crops best adapted to the country, weeds and their eradication, and profitable systems of crop rotation, make this course one of intense practical value.

Four hours of recitation and three hours of laboratory per week.

First semester, third year. Agriculture a is prerequisite.

Agriculture b 2. Animal Husbandry.

A study of all farm animals and their care. Emphasis is placed on dairy cattle, swine and poultry. We also study the judging of horses, cattle, sheep, swine and poultry. Feeding is given attention in this course. Much practical work will be required in this subject.

Text: Hunt and Burkett's Farm Animals.

Second semester, third year.

Physics a 1-2.

Demonstrations, recitations and laboratory experiments in mechanics, sound, heat, light, magnetism and electricity. The completion of forty laboratory experiments is required.

Text: Millikan and Gale's First Course in Physics.

Both semesters, fourth year.

PART IV

THE SCHOOL OF MUSIC

CERTIFICATES

CURRICULUM

MUSICAL ORGANIZATIONS

THE SCHOOL OF MUSIC

GENERAL STATEMENT

THE work offered by the School of Music embraces instruction in Piano, Voice and Stringed Instruments, accompanied by strong theoretical courses. The courses of study and general plan of work are in keeping with the leading musical institutions of the country.

Students will find it to their advantage to be present at the beginning of the semester ; although, when this is impossible, they will be admitted later.

CERTIFICATE AND DIPLOMA COURSES

The requirements for the Diploma and the Teacher's Certificate in Piano, and for the Certificate in Voice, are outlined in the description of courses in these departments.

Candidates for certificate or diploma must have completed the high-school work of fifteen units, and sixty college credits (equivalent to two years' work). Some specific college subjects are required with the music courses ; but enough additional hours must be elected to make a total of sixty credits.

All students in the regular courses are required to appear in recital at least three times per year, and in the Senior year each must give an individual program.

Certificates and diplomas will be granted only to

those who have demonstrated their artistic skill in performance.

ELEMENTARY INSTRUCTION

Elementary instruction is offered in the various departments. To insure thorough foundation as well as uniformity of method, it is desirable, when possible, for students to take their elementary work in some good school of music.

SPECIAL STUDENTS

Students not candidates for certificate or diploma may elect any work in the School of Music for which they are prepared, being classed as Special Students.

CREDIT IN OTHER DEPARTMENTS

Courses in Theory of Music may be taken as electives in the A.B. course.

One college entrance unit and as many as eight credits toward the A.B. degree may be earned in private lessons on music, subject to the following provisions:

1. No credit is given for less than two lessons per week for two years, or its equivalent.
 2. No credit is given unless the prescribed courses in Theory of Music are taken in connection with the lessons.
 3. Credit on each year's lessons is given only on the satisfactory completion of the work as outlined.
- Two lessons per week for two years equal one

unit for college entrance. Two lessons per week for one semester equal one credit.

PIANO DEPARTMENT

The purpose of this department is to develop in pupils all the faculties which in their entirety represent musical proficiency, embracing an attentive ear and eye, full and ready knowledge, memory, ready technique, judicious interpretation, and above all, sound appreciation of the good and beautiful in music.

The course of study includes all forms of technical exercises, major and minor scales in thirds, sixth, and tenths in similar and contrary motion, arpeggios, octaves, standard studies and compositions by the classic, romantic and modern composers.

In the regular course, Bach and Czerny are the principal aids to technical advancement. The works of Mozart, Haydn, Beethoven, Schumann, Schubert and Chopin are also used, but not to the exclusion of modern writers. Clearness of conception, distinctness of phrasing, variety of tone, good rhythm and technical accuracy are the main points insisted upon.

As the student advances, interpretation becomes a special duty, and the characteristics of each of the great tone-poets must be well grasped. The various emotional, intellectual and physical faculties are brought into that harmony and control which alone results in artistic performance.

OUTLINE OF PIANO COURSES

The Piano Courses are as follows: (1) Preparatory; (2) Teachers' Certificate; (3) Diploma.

The Preparatory Course may be completed in from two to three years, depending on the ability of the student and his preliminary training.

The Teachers' Certificate is granted to students who have completed the work of the Freshman, Sophomore and Junior years as shown in the following outline, together with Theory of Music XV and XVI.

The Diploma is granted on completion of the courses as outlined through the Senior year, but additional work is offered which may be taken by students of exceptional ability. The time required for the completion of this course will depend upon the ability of the individual student.

Preparatory Courses

The following courses or their equivalent are required for admission to the Teachers' Certificate Course in Music. Keyboard Harmony and Transposition are taught as a part of the lessons, but no distinct theoretical courses are taken in these years.

A-B. *Elementary.*

Technics: Hand position and culture; Five-finger exercises; Elementary scales, chords and arpeggios.

Piano Methods: Presser, Sartorio.

Studies: Thumer-Koppitz, New School of Studies (Books I, II, III); Gaynor, First Pedal Studies.

Easy sonatinas: Lynes, Diabelli, Clementi. .

Easy pieces and duets.

C-D. Intermediate.

Technics: Hanon, Philipp.

Studies: Rogers, Development of Velocity (Books I and II); First Studies in Bach; Heller, Op. 47; Kaun, Op. 23; Pedal Studies (continued).

Sonatinas: Clementi, Kuhlau.

Easy compositions by Schumann, Mendelssohn and others.

Certificate Course*Freshman Year.*

Piano I-II.

Technics: Hanon and Philipp (continued).

Studies: Czerny, Op. 299; Vogt, Octave Studies; Loeschhorn, Op. 66; Bach, Little Preludes and Fugues; Heller, Op. 45 and 46; Whiting, Pedal Studies (Book I).

More difficult sonatinas by Kuhlau and others.

Compositions of moderate difficulty.

Theory of Music I-II.

English I-II; French or German I-II.

Sophomore Year.

Piano III-IV.

Technics: Mason, Philipp.

Studies: Cramer-Bulow, Studies (Books I and II); Foote, Op. 52 or Op. 27; Bach, Two-Part Inventions; Whiting, Pedal Studies (Book II).

Easy sonatas: Haydn, Mozart and Beethoven.

Compositions by Schumann, Grieg, Chopin, Mendelssohn and others.

Theory of Music III-IV; Psychology I.

French or German III-IV.

Junior Year.

Piano V-VI.

Technics: Philipp, Joseffy.

Studies: Czerny-Germer (Book IV); MacDowell, Op. 39; Clementi-Tausig, Gradus ad Parnassum; Bach, Three-Part Inventions and Suites.

Compositions of Schubert, Mendelssohn, Chopin, Raff, Henselt, Mozskowski and Schwarwenka.

Theory of Music V-VI-XV.

Theory of Music XI-XII or Voice I-II.

Diploma Course

Senior Year.

Piano VII-VIII.

Daily Studies, Tausig; Op. 70, Books I and II, Moscheles; Octave Studies, Book II, Kullak; Kessler Studies; Preludes and Fugues, from Well-Tempered Clavichord, Bach; sonatas and other works of greater difficulty by Beethoven and others; concertos by Mozart, Hummel, Moscheles, Mendelssohn and others.

Theory of Music VII-VIII.

Theory of Music IX-X.

VOICE DEPARTMENT

The cultivation of the voice consists in the correct placement and development of pure tone: correct use of the breath, phrasing and enunciation. The peculiarities of the individual voice are always considered and the work adapted accordingly. Neither the Italian nor German method is used exclusively; but the best features of each method. The course that follows leads to a certificate in Voice.

Each year's work is planned on the basis of two voice lessons per week. When only one lesson per week is taken, the time required to complete the course is usually more than doubled.

Freshman Year.

Voice I-II.

Tone placing. Diction exercises for the special needs of individual voices. Sustained tones. Breath control and tone

legato. The study of conditions necessary for the poising of the voice. The Italian vowels. Technical exercises selected from Marchesi, Bonoldi, Sieber, Abt, Vaccai, Garcia. Simple English and Italian songs.

Theory of Music I-II.

Piano A-B.

Theory of Music XI-XII.

English I-II; French or German I-II.

Physical Culture.

Sophomore Year.

Voice III-IV.

Voice extension. Development of tone. Breath control. Exercises for flexibility from Concone, Nava, Bordogni, Sieber. English and Italian ballads. German *Lieder*. Church solos.

Theory of Music III-IV.

Theory of Music XIII-XIV.

English III and IV; French or German III-IV.

Physical Culture.

Junior Year.

Voice V-VI.

Study of tone color. Exercises for flexibility continued. Embellishments. Exercises from Panofka, Marchesi, Bordogni. Masterpieces of vocalization. German *Lieder*. English oratorios and church solos. Church singing.

Theory of Music V-VI.

Physical Culture.

Senior Year.

Voice VII-VIII.

Methods of tone placing and breathing. A comparative study. Exercises for bravura singing from Marchesi. Finishing exercises from masterpieces of vocalization. Stage deportment. Selections from Italian opera and English oratorios.

Theory of Music IX-X.

DEPARTMENT OF STRINGED INSTRUMENTS

VIOLIN

The art of violin playing has made such rapid strides within late years that it has become a prominent feature in musical institutions of standing; therefore, great improvements have been made in methods of instruction with which this department aims to keep pace.

Quality is sought rather than quantity—both in practice and in presenting works of art. Great emphasis is placed on habits of practice, and the student's mental grasp of the work is developed in accordance with the technical phase.

Courses in Violin

I-II. *Elementary.*

Studies in position by Wohlfahrt, Sitt and Kayser; studies introducing third position by Sitt and Kayser; each piece by standard writers.

III-IV. *Intermediate.*

Studies in positions by Kayser, Mazas, Schradieck and Kreutzer; pieces by Raff, Weiss, David, Dancla and others; easy concertos by Accolay, Seitz and De Beriot; ensemble and orchestra playing.

V-VI. *Advanced.*

Studies in scales, arpeggios, octaves and positions by Mazas, Kreutzer, Fiorillo and Rode; repertoire, including Mozart, Beethoven, De Beriot, Paganini, Wieniawski, Vieuxtemps and other standard composers; quartet and other ensemble playing.

MANDOLIN AND GUITAR

Instruction on the mandolin and guitar is given either in private lessons, or in classes of not more than four. When given in classes it is at a nominal price.

THEORY OF MUSIC

The following theoretical courses are designed to accompany the instruction in Piano and Voice, but are elective to all students in the A.B. course who are qualified to pursue them:

I-II. *Harmony.*

Scales, intervals, formation of triads, chord connections in both written and applied harmony, chords of the seventh, cadences, augmented sixth chords, modulation in written and applied harmony.

Text: Shepard's Harmony Simplified.

Required in Piano and Voice courses. Two credits each semester.

III-IV. *Harmony (continued).*

Suspension, open harmony, free score, melody writing, some analysis which continues in the Theory course.

Text: Shepard's Harmony Simplified.

Required in Piano and Voice courses. Two credits per semester.

V-VI. *Theory.*

This is a course in general musical knowledge and embraces the study of all the important laws underlying the art and science of music. It aims to give the student in a short time that musical culture which could be gained by the teacher only after years of practical experience. First semester, lec-

tures on the structure of music; second semester, analyses of compositions from Mendelssohn, Schumann, Bach, Beethoven and others.

Text: Elson's Theory of Music.

One credit, first semester; two credits, second semester. Required in Piano and Voice courses.

VII-VIII. *Counterpoint and Fugue.*

Studies and exercises in writing of single and double counterpoint and fugue.

Text: J. Frederick Bridge's Counterpoint.

One credit per semester. Required in the Piano course.

IX-X. *History of Music and Appreciation.*

This course will give a general survey of the subject and is designed for general musical culture. In addition to the study of a text—Baltzell's History of Music—students wishing credit on the course must do parallel reading in the reference books in the library. Illustrations will be given by performances in the class room and by phonograph records. Written tests will be given from time to time and an examination each term.

This course is open to all students. Twice a week throughout the year.

An advanced course will be offered those who complete Course I, consisting of lectures to the class, a study of the principal oratorios and operas, and a study of the biographies of famous musicians.

Ability to play the piano required for this course.

Two credits per semester.

XI-XII. *Solfeggio* (Sight Reading).

This course is designed to apply the fundamental principles of music, such as rhythm, intervals, scales, etc., to the reading of vocal and instrumental music at sight. The course begins with the simplest intervals and rhythms, progressing by

easy stages until it includes the most difficult passages to be found in modern music.

Exercises in the writing of simple notation are included.

Text: Root's Methodical Sight Singing.

One credit per semester. Required of all students in the Voice course and of students in the Piano course not electing Voice I-II. Elective to all college students.

XIII-XIV. *Choral Singing.*

One-half credit per semester. Applicants for this course are admitted by examination.

XV. *Teachers' Training Course.*

Discussion of methods of teaching technique; rhythmic, melodic and harmonic elements, together with interpretation; various types of pupils; selection and gradation of music.

Text: Hamilton's Piano Teaching—Its Principles and Problems.

Two credits, first semester.

XVI. *Practice Teaching.*

This is a continuation of Course XV. The work consists of a discussion of the principles of teaching and of actual practice in teaching pupils in the Preparatory and Intermediate grades under the supervision of the Director.

Two credits, second semester.

STUDENT RECITALS

Student recitals are held bi-weekly, at which pupils, who have been prepared under the supervision of the instructors in the school, take part. These recitals furnish incentives to study, and experience in public performances.

These recitals are considered a part of the work of the students, and attendance is required.

MUSICAL ORGANIZATIONS

The College maintains two glee clubs, one for men and one for women. Admission to the clubs is by vote of the members, such students being selected as will advance the efficiency of the clubs. Each club gives an annual concert at the College and takes a short trip in the spring.

The glee clubs are united with the college choir on Thanksgiving, Christmas, Easter and Commencement to form the college chorus.

The members of these organizations receive quality points under the system heretofore described.

PART V

SCHOOL OF HOME ECONOMICS

HOME ECONOMICS

SCOPE OF WORK

INSTRUCTION is given in cookery, dietetics, marketing, serving, household economy, home nursing, laundry work, embroidery, crocheting, tatting, knitting, sewing (for home use) and drafting.

The time for completion of the course is, for the average student, three years for Household Economics and two for Sewing, when taken in connection with regular school work.

In Home Economics the girls are required to wear uniforms of nurse's plain blue gingham and large white bibbed aprons and uniform cap, and to provide a crash dishcloth and towel.

CERTIFICATES

Certificates are granted in both Sewing and Household Economics. The requirements for certification are as follows: The completion of the catalogued course in either Sewing or Household Economics; fifteen college entrance units and sixty college credits (equivalent to two years' work). For certificate in Household Economics, Chemistry III, IV, Biology III, IV and Psychology I, are required as part of the sixty credits.

CREDIT IN OTHER DEPARTMENTS

Two college entrance units may be offered in Sewing and one in Household Economics. Sewing *a* and *b* and Cooking *a* count one unit each.

All college courses in Sewing and Household Economics are accepted as electives in the A.B. course.

HOUSEHOLD ECONOMICS

College Department

The aim of the work in this Department is to prepare young women to become efficient home makers and instructors, and to meet the needs for Government workers.

The courses are open to all students of the College Department and are not dependent upon the preparatory work given in this institution. However, no certificate will be granted unless the preparatory cooking as outlined has been completed. Work done in accredited schools will be accepted.

I. *Home Nursing.*

A short course in general cookery. Also the home care of the sick which deals with the prevention and care of illness in the home; the early recognition of the common symptoms of disease; prevention and care of common ailments, as colds, sore throat, etc. The care of young children and first-aid treatment for common household emergencies.

Four credits (two hours' lecture and five hours' laboratory work per week), first semester. Required of all women in the Freshman year not taking Mathematics I-II.

II. *Dietetics.*

This course includes a study of the food requirements and preparation of food for the different individuals of the family, as modified by age, sex, activity, and a special consideration of food for children.

Four credits (two hours' lecture and five hours' laboratory

work per week), second semester. Required of all women in the Freshman year not taking Mathematics I-II.

III. *Food Conservation and Marketing.*

This course deals with the canning and preservation of fruits, vegetables and meats, and the care and purchasing of food.

Four credits, first semester. Prerequisite, Chemistry III-IV. Biology III, prerequisite or parallel.

IV. *Economics in the Home.*

This course deals with budget studies, standards of living, organization of the labor of the household, and a course in serving.

Four credits, second semester. Prerequisites, Home Economics II and III, and General Cookery (Cooking a-b).

Preparatory Department

a-b. *Elementary Cooking.*

The aim of this course is to prepare the girl for efficient work in the home.

Instruction is given in the principles and processes of general cooking, with a detailed study of typical foods; selection and care of food in the home; general care of the house.

Two recitations and two laboratory periods per week throughout the year. Elective to fourth-year girls. One unit.

SEWING

The following courses are elective to college students:

I-II. *Elementary Sewing.*

During the year simple home dressmaking and the making of children's clothes are taught. Emphasis is paid on choice of material, good design, technique, and use and adaptation of

commercial patterns. Designing of patterns from foundation patterns drafted to individual measurements.

Three credits per semester (two hours' lecture, three hours' laboratory per week). Must be accompanied by Sewing V-VI.

III-IV. *Advanced Sewing.*

This includes making of wool and silk dresses, and wraps. Drafted and commercial patterns are used, as well as designs modeled on form. Renovation and remodeling.

Three credits per semester (two hours' lecture, three hours' laboratory per week). Must be accompanied by Sewing VII-VIII.

V-VI. *Textiles and Costume Designing.*

A study of standard textiles. Opportunity provided to study these materials from standpoint of design of cloth, fiber content and physical tests. It also includes study of growth, preparation and manufacture of fibers.

A study of ancient costume. A discussion of fundamental principles of design. Exercises in line, notan and color involving use of these principles.

Two credits per semester (two hours' lecture per week). Must be taken in connection with Sewing I-II.

VII-VIII. *Advanced Textiles and Designing.*

A study of materials and their relation to design, color and personality of individual. Some attention is given to the history of the industrial and economic phases of the textile industry.

Two credits per semester (two hours' lecture per week). Must be taken in connection with Sewing III-IV.

IX. *Millinery.*

Includes paper patterns, and wire, net and buckram frames; covering of a winter and a summer hat; making a transparent hat; trimmings.

One credit (four hours' laboratory per week — four weeks in fall and four weeks in spring).

Preparatory Courses

Any preparatory student may elect these courses.

a 1-2. *Elementary Sewing.*

The aim of this course is to teach the technical principles of general hand and machine sewing. Useful articles are made that require the different stitches the student should have at her command. Patching and darning and application of each.

Lessons on mechanism of machine and some machine sewing.

Ten hours' laboratory per week. One unit.

b 1-2. *Advanced Sewing.*

Machine sewing continued, including the cutting and fitting of practical garments. Drafting. Application of different types of decoration, such as embroidery, applique, etc.

Ten hours' laboratory per week. One unit.

PART VI

GENERAL INFORMATION

EXPENSES

BUILDINGS AND EQUIPMENT

RULES AND REGULATIONS

ROLL OF STUDENTS, ETC.

GENERAL INFORMATION

EXPENSES

All bills for each semester are to be paid in two installments, one-half at the beginning and one-half at the middle of the semester.

Bills which are not settled in full within two weeks after payments are due, become overdue, and a fee of one dollar for each week or fractional part of a week thereafter shall be added to the bill until it is paid in full. Exceptions to this rule can be made only by special permission granted from the President's office *before the payment becomes due.*

To meet the first payment, it will be necessary for the average student to bring between \$70 and \$80 with him when coming to college.* For the year 1922-1923 bills are due on the following dates:

	<i>Due</i>	<i>Overdue</i>
First semester—first quarter.....	Sept. 13	Sept. 27
First semester—second quarter.....	Nov. 14	Nov. 28
Second semester—third quarter.....	Jan. 23	Feb. 6
Second semester—fourth quarter.....	Mar. 27	Apr. 10

Required of All Students

Tuition: For from 12 to 16 credit hours per semester, \$20.00 per semester.

For less than 12 credit hours per semester, \$2.50 per credit hour.

* Applicants who can not meet this requirement should write to the President before the opening of the session, stating fully their situation, and each case will be considered on its own merits.

For extra credit hours (over 16 per semester), \$2.50 per credit hour.

Student Activity Fee: \$6.00 per semester.

This fee covers admission fees to all student activities, lectures, subscription to student publication, etc.

General Deposit: \$3.00.

Any unused portion is returnable.†

Other Expenses

Board: At the rate of \$15.00 per month, \$67.50 per semester.

Rate per day: Students, 70 cents; visitors, \$1.00.

Single dinners: Students, 25 cents; visitors, 35 cents.

Single suppers: Students, 25 cents; visitors, 35 cents.

Single breakfasts: Students, 20 cents; visitors, 30 cents.

Sunday dinners: Students, 30 cents; visitors, 40 cents.

Room Rent: Haynes Hall (college women), \$15.00 to \$20.00 per semester.

Virginia Hall (women), \$15.00 to \$18.00 per semester.

Craig Hall (men), \$15.00 to \$18.00 per semester.

Laboratory Fees:

Biology: Courses I, II, III, IV, VII, VIII, \$3.00 per semester.

Courses V, VI, \$6.00 per semester.

Breakage deposit in all courses (returnable), \$5.00.

Chemistry: Courses I, II, III, IV, V, VI, \$5.00 per semester.

Courses VII, VIII, \$10.00 per semester.

Breakage deposit in all courses (returnable), \$5.00.

Home Economics: Cooking, \$4.00 per semester.

Sewing, \$1.00 per semester.

Physics, \$2.00 per semester.

† When responsibility for damage to college property can not be fixed, the College reserves the right to prorate the amount among the student body.

Music: Two private lessons per week, \$30.00 per semester.

One private lesson per week, \$20.00 per semester.

Single lessons, \$1.50.

Use of piano for practice, two hours per day, \$5.00 per semester.

Use of piano for practice, one hour per day, \$3.00 per semester.

Registration Fee: \$1.00.

Payable only by those who fail to register on assigned days, or by those who request changes in their schedule after three weeks from the first day of registration.

Graduation Fees: For A.B. degree, \$5.00

In Academy, \$1.00.

In Music, \$1.00.

In Home Economics, \$1.00.

These fees are due with the bill for the fourth quarter of the year of graduation. In case of failure to graduate, the fee is refunded.

Deductions

No deduction is made in tuition, activity fee, room rent, laboratory fees or music fees for loss of time of less than one-half a semester. But music students may pay at the single lesson rate, if they prefer.

A reduction of one-third in tuition in regular courses is made to children of ministers and to students preparing for the ministry in any denomination.

A deduction in board is made for loss of time of one continuous week or more.

Furnishings of Rooms

Rooms in Craig Hall are occupied by men, and are furnished with single iron bedsteads, mattresses, bureau, study table and chairs, and are heated by steam and lighted by electricity. The charge for room includes these items, but does

not include pillows, bed clothes and towels, which must be furnished by the student.

Rooms in Haynes Hall, for college women, and Virginia McCormick Hall, for preparatory girls, are furnished with single iron bedsteads, hair mattresses, pillows, blankets, dresser, chairs, study table and bookcase. Students will need to provide sheets, pillow cases, bedspreads and extra covering and towels.

Each student is required to provide himself with plate, cup, saucer, knife, fork and spoon for use in his room in case of sickness.

Engagement of Rooms

Students may engage rooms before the beginning of the school year by the payment of one dollar. This amount will be deducted from the year's room rent. In case the room is not taken the money will be forfeited.

SCHOLARSHIPS AND PRIZES

ENDOWED SCHOLARSHIPS

1. The Graham Scholarship of \$500, for those preparing for the ministry of the Presbyterian Church.
2. The H. C. and W. W. Clark Scholarship of \$1,000, for those preparing for the ministry in the Presbyterian Church.
3. The Bertha Doak Stewart Memorial Scholarship of \$400. Income to be used in paying the tuition of a worthy young woman. The beneficiary is selected by the Woman's Missionary Society of the Mount Bethel Presbyterian Church.
4. The M. Woodward Finley Memorial Scholarship of \$525, for a student preparing for Christian service.
5. The Julia A. Houser Scholarship of \$2,000, the income of which is to go to some worthy student selected by the Faculty.
6. The Mary Elizabeth Scholarship of \$2,000, the income to be used for a worthy student; given by Mrs. Mary L. Handley.
7. The J. Frederick Crumbie Memorial Scholarship of \$1,000, the income to be used for a worthy student; given by Mrs. J. Frederick Crumbie.
8. The Highland Hospital Scholarship of \$2,000, the income to be used for worthy young women, preferably those preparing for the nursing profession. Given by the Highland Hospital, Inc.
9. The Jerome Kilmer Clements Memorial Scholarship of \$2,000, the income to be used for a worthy student, a native of East Tennessee, and preferably one from Knox County. Given by Mr. and Mrs. Hal H. Clements.
10. The H. B. Silliman Scholarship of \$1,000, the income to be used for a worthy student; established by Horace B.

Silliman, and held in trust by the General Board of Education of the Presbyterian Church.

11. The Ethel K. Evans Memorial Scholarship of \$2,000, the income to be used for worthy students; given by the Order of the King's Daughters.

12. The Ellen Hoe Evans Memorial Scholarship of \$2,000, the income to be used for worthy students; given by Dr. Samuel M. Evans.

13. Scholarship of \$700 presented by the Ladies' Aid Society of the Mount Bethel Presbyterian Church. The Society reserves the right to select the candidate.

The College is in possession of a few annual scholarships, to be used in cases of special need.

Students receiving aid from scholarships, or who are beneficiaries of the College in other ways, must maintain an excellent department and make an average grade of at least D in studies; otherwise such aid will be discontinued.

STUDENT HELP

The College is able to offer students various opportunities to assist themselves by performing some sort of service during the year. The opportunities are limited, but a number of students are in this way enabled to supplement their funds sufficiently to continue their studies.

The McCormick Loan Scholarship of \$1,000 supplies funds to be loaned at a low rate of interest to students desiring to borrow money for their education.

The Self-Help Fund, given in memory of Seth J. W. Lucky, supplies funds to be loaned to worthy

students who have passed their Freshman year. Interest is charged only after the student has left College.

PRIZES

The Brading Essay Prize (J. E. Brading, Johnson City, Tenn.), \$10.00, subject to be assigned. Open to preparatory students.

The Moore Essay Prize (Miss E. V. P. Moore Memorial); subject to be assigned; open to college students.

The C. B. Bull, Jr., Essay Prize; \$10.00 to be presented to the student who shows the greatest amount of original thought on the subject assigned.

The Henry R. Brown prizes in Home Economics; \$10.00 for the student excelling in Sewing and \$10.00 for the student excelling in Cooking.

The Cooper Medal, given by Mrs. S. H. L. Cooper, for excellence in oratory.

The Rush Strong Medal, for the best essay on "The Value of Truth."

General Information Prizes, a gold and a silver medal for the students passing the best tests on general information.

The Waddell Prizes, offered to members of the Junior Class; \$10.00 in gold to the young woman who maintains the neatest room and presents the best personal appearance; and \$10.00 in gold to the young man who shows the highest standards of character.

The orations and essays must contain not less than six hundred nor more than fourteen hundred words, and there must be at least three competitors for each prize.

Only students in the regular courses shall be eligible for any of the above prizes.

THE COLLEGE AND ITS EQUIPMENT

LOCATION

The College is situated at Tusculum, Tenn., four miles east of Greeneville and seventy-five miles east of the city of Knoxville. The location is in the East Tennessee Valley, under the shadow of the Great Smoky Mountains, and is noted for its beautiful scenery, pure water and healthful climate. The bracing atmosphere is peculiarly adapted to intellectual vigor, the students avoiding the bleak rigor of the more northern winter and the enervating influences of a southern climate. Freedom from the temptations incident to city life, and the high moral character of the communities, render it unlikely that students will fall into habits of vice and dissipation. Such surroundings constitute a wholesome atmosphere for mind and heart alike.

GROUNDS

The College owns one hundred and seventeen acres of land divided as follows: Nineteen acres of campus, ten acres of athletic field, fourteen acres for residences, and eighty acres of garden and farm land. A portion of the campus is covered with native forest oaks of magnificent growth, while a large part is beautified with maples and evergreens.

BUILDINGS

The buildings comprise "Old College," McCormick Hall, Craig Hall, Virginia McCormick Hall, Carnegie

Library and Haynes Hall. These buildings are of brick, modern in architecture, well furnished, and supplied with electric lights, steam heat, and proper sanitary arrangements.

Besides the above buildings, there are the President's home, four homes for professors, three other residences, and the heating plant. The homes for the President and three professors have been made possible through the kindness of Mrs. Nettie F. McCormick, of Chicago.

McCormick Hall

This is the main college building, and contains audience room, recitation rooms, Science laboratories, several rooms of the Music Department, and offices. It is named in honor of Mrs. Nettie F. McCormick and son, Cyrus H. McCormick, of Chicago.

Craig Hall

This is the men's dormitory and is named in honor of the late Rev. Willis G. Craig, D.D. It accommodates seventy students. The rooms are well lighted, ventilated, and heated by steam. The building is equipped with lavatories and shower baths.

Virginia McCormick Hall

The Preparatory women's dormitory was built by the generosity of Mrs. Nettie F. McCormick and named in honor of her daughter. It is a modern four-story structure, costing \$20,000. It contains reception hall, parlor, Y. W. C. A. room, music practice rooms,

student rooms, bath rooms on every floor, lavatory, etc. Abundant provision was made against fire in the construction of the building, each floor being furnished with water connection, hose and fire escape. The student rooms have plenty of light, steam heat, double closets, bookcases, and are completely furnished.

Carnegie Library

This building is the gift of Andrew Carnegie, Esq., of New York City, and cost \$11,000. It is a handsome brick structure of two stories and basement. Aside from the commodious library rooms, it contains also recitation rooms and a splendid gymnasium.

Haynes Hall

This building, which is also the gift of Mrs. McCormick, was opened in September, 1915. It contains quarters for the Home Economics department, reception room, hospital, laundry, accommodations for some women members of the faculty, and rooms for forty or more college women.

Old College

This building has recently been remodeled and fitted up for a Chemistry laboratory.

LIBRARIES

General Library

The College has an excellent library, which is well lighted, conveniently arranged, and easily accessible to faculty and students. Although the collection of books

is still too small to meet the constantly-growing demand, it is steadily increasing, valuable additions being received every year. The reading room is supplied with the leading current periodicals, and is open daily to all the students.

The income from the Eliza V. P. Moore memorial fund of \$3,500 is used for the purchase of new books.

The A. N. and L. M. Moore Missionary Library

This library was made possible through the bequest of Miss Lucy J. Moore, and is composed of works on missionary subjects. Additions are made yearly from the above-named fund. The library is free to all, and affords valuable help to the work of the Christian Associations.

The Marguerite Rankin Memorial Library

This collection, which is the gift of numerous friends, is especially suited to the needs of the Y. W. C. A. members, but is available to all students. It is housed in the Y. W. C. A. room, and additions are made to it from year to year.

THE SCIENCE LABORATORIES

The laboratories for Biology and Physics are located on the second and third floors of McCormick Hall. The Biology laboratory is supplied with compound and dissecting microscopes, microtome, bacteriological incubator and other apparatus for General Biology, Embryology, Anatomy, Sanitation, etc.

The Chemistry laboratory is located in Old College. The equipment includes the apparatus for demonstrations and individual laboratory work in general Inorganic Chemistry, Qualitative and Quantitative Analysis, and Organic Chemistry.

The Physics laboratory is supplied with apparatus for demonstration and individual experiments in both elementary and advanced courses. It is furnished with a 110-volt alternating current and a motor generator, which can deliver either direct or alternating current at moderate voltages for laboratory experiments.

HOME ECONOMICS

The Department of Home Economics, through the generosity of Mrs. Nettie F. McCormick, of Chicago, is well equipped. The rooms are in Haynes Hall, and are large, airy and well lighted.

The kitchen is arranged for individual work, each student having her own compartment. A steel range, larger utensils used in common, dishes, table linen and silverware, that permit of the proper preparation and serving of meals, as occasion demands, are also provided.

MUSIC

The Music Department is equipped with twelve pianos for the use of the students.

RELIGIOUS INSTRUCTION

Tusculum is under no denominational control, though it has always been fostered by the Presbyterian Church U. S. A. But while it is in no sense sectarian, it is distinctively a Christian College, maintaining in all of its activities the strong faith and patriotic devotion of its founders. Always the devout recognition of God as revealed in His World and Word are counted upon as elemental and indispensable in the development of true manhood and womanhood.

As a regular college exercise there is held in the chapel each morning a short service of praise and prayer under the direction of the Faculty, and on each Sabbath morning at 10:30 there is public worship, at which all members of the College are required to be present. In addition to these services are the Sabbath school on Sabbath morning and vesper services on Sabbath evening, which all the students are expected to attend. Two Christian Associations are connected with the College, which usually enroll the larger part of the student body.

The systematic Biblical Instruction for entire course is stated in the Synopsis of Courses.

STUDENT ACTIVITIES

CHRISTIAN ASSOCIATIONS

Two Christian Associations, the Y. M. C. A. and the Y. W. C. A., are maintained by the students. These Associations help to develop a high type of Christian character and effort by encouraging personal work, Bible study, and a study of Missions. They each hold weekly devotional meetings, and monthly meetings for the transaction of business.

ATHLETICS

The authorities of the College regard physical training under proper supervision as of prime importance, and athletic games form an important feature of the college life. Baseball, football and basketball teams are all conducted under the direction of a coach, who is a member of the Faculty and accompanies the teams on all their trips.

Football is played only by those who have written permission from their parents.

PHYSICAL TRAINING

Physical training for all students is provided under the supervision of the Physical Director. It is required of all except those who, for adequate reason, are excused by the Dean.

INTERCOLLEGIATE DEBATE

The College is represented each year by two or more debating teams, which work in pairs, Affirmative and Negative, one speaking at home and one abroad.

LITERARY SOCIETIES

Two men's literary societies, the Philomathean and Philologian, and two women's societies, the Clionian and Alethean, fill an important place in the college activities.

RULES AND REGULATIONS

GENERAL DEPARTMENT

Tusculum College has no extensive system of disciplinary rules. There are two broad requirements — good scholarship and good conduct. Students who are unwilling to coöperate in the development of proper ideals for college work and college life will be invited to withdraw whenever the general welfare demands it, even though there be no specific breach of conduct calling for their suspension. A few specific things, however, are to be noted, as follows:

Students, on arriving, are to enter at once upon their duties.

No boisterous language, use or handling of intoxicating liquors or deadly weapons can be tolerated on the College premises. Nor shall any use of tobacco be allowed save in a pupil's own room.

All students are required to attend public worship each Sunday in the College Chapel, but the President may excuse those who statedly attend religious exercises elsewhere.

Students will be allowed to go home only by special permission, and then not oftener than once a month.

No student activities or social functions shall be held on the night of the mid-week prayer meeting or during the week of special meetings.

Students are required, when asked, to give information in their possession that may concern the interests of the College.

These rules apply to students rooming in private homes as well as to those in the dormitories, and no rooms are to be secured in private homes excepting in such homes as are approved by the Faculty.

These rules may be amended at any time by a vote of the Faculty.

The government of Haynes Hall and Craig Hall is carried on by student committees elected by the students resident in the respective halls. These committees are responsible for the conduct of the dormitories and make weekly reports to the Dean concerning any action taken by them.

Thus the aim of the discipline is not repressive or solely to secure order, but developmental and educational. Right action for the best interests of the group is the ideal sought. The same responsibility for conduct in school as must be assumed out of school is the educational ideal of true discipline.

ABSENCE AND MISCONDUCT

College Department. Since a student's main purpose in college is classroom work, penalties must be provided for class absences.

Every class absence shall count as one demerit and a zero until the student confers with the Dean. If the student has a valid excuse for the absence the demerit shall be removed and a permit issued allowing the work missed to be made up. If there is no valid excuse, the demerit and zero shall stand.

Demerits are also given for absence from chapel and church and for misconduct, ten demerits for class

absence or twenty-five for all causes, dismissing one from college.

Preparatory Department. When a student absents himself from a class he shall obtain an admit card from the Dean before he shall be allowed to re-enter the class.

Demerits are given for misconduct, absence from chapel and unexcused class absence. Ten demerits for class absence, or twenty-five for all causes, as in the College Department, dismiss the student.

The following rules apply to both college and preparatory students:

1. If more than five demerits for class absence or ten for misconduct and other causes are received by a student the first semester, the excess will be counted against him the second semester.

2. Double demerits and irredeemable zeros will be given for all unexcused absences in the week preceding and the week following any recess. ..

3. No allowance for absence from chapel or church is given. Demerits are given for all absence and tardiness unless excused.

DORMITORIES

The key to room is to be secured from the Bursar upon matriculation and the payment of deposit of \$3.00, and is to be returned to the Bursar before the deposit is refunded.

In case of a key being lost or not returned at the end of the year, the lock shall be removed and a new lock provided out of the money left on deposit.

Occupants of a room are held responsible for any damage to room or furniture. Occupants of dormi-

tories are responsible for damage to building outside of rooms.

DINING ROOM

Proper decorum in all respects shall be observed in the dining room. Meals shall be served only at regular hours and promptly. A charge of fifteen cents shall be made for meals served in rooms except in case of protracted sickness. Visitors shall be charged for board at the rate of \$1.00 per day.

Without permission from the Matron students are not allowed in the kitchen at any time, nor in the dining room save at meal time.

SOCIAL REGULATIONS

Young men and young women may enjoy social privileges as follows:

(a) In the reception rooms of the women's dormitories from the close of the noon meal until 1:10.

(b) Saturday evenings, from 7:30 to 9:30.

(c) Seniors are allowed to call at Haynes Hall on Tuesday evenings, from 7:30 to 9:00.

(d) Young men may call for young women for church Sunday evening, or for evening entertainments, but must leave the young women at the door of the dormitory when the entertainment is over.

(e) Any special privileges are to be obtained from the Dean of Women and chaperons shall be chosen by her.

(f) Girls under sixteen are not allowed social privileges.

Aside from privileges stated above, young men and young women shall keep entirely separate, and any violation of these privileges will forfeit all right to them.

These regulations apply to day pupils while on the campus.

ATHLETICS

All athletic teams are under the direct supervision of the Faculty. No one shall be allowed to play in any match game whose deportment and grades do not warrant it. Nor can any one play in match games who has entered later than the beginning of the second semester.

GRADING

A letter system of grading is used, the letters and their numerical equivalents being as follows:

- A+, Work of unusual brilliance.
- A, Work of exceptional excellence.
- B, Excellent work, distinctly above average.
- C, Good average work.
- D, Passing — fairly satisfactory.
- E, Condition.
- F, Unconditional failure.

A, B, C and D are passing grades. A grade of E indicates a conditional failure; that is, the student is allowed one re-examination. When a condition is removed by re-examination, the final grade shall never be more than D. F indicates unconditional failure.

The daily grade, combined with the mid-semester test, counts for two-thirds of the semester grade in any subject, and the examination at the close of the semester counts for the other one-third.

SECURING HONORABLE DISMISSAL

Students who leave college before the end of the semester are expected to report to the president for honorable dismissal. Anyone failing to do so will be considered as leaving under suspension.

MISCELLANEOUS

HOW TO REACH THE COLLEGE

Tusculum may be reached from two stations on the Southern Railway, Greeneville, four miles away, or Afton, two miles. Students from a distance usually buy their tickets to Greeneville. Automobiles furnish transportation facilities between Greeneville and Tusculum.

ADDRESS FOR MAIL AND EXPRESS

Mail should be addressed to Tusculum Station, Greeneville, Tenn.

Express and freight packages should be addressed to Greeneville, Tenn.

TEXT-BOOKS

Books are kept on hand or ordered from the publishers, and furnished the students, as far as possible, at reduced rates.

A WORD TO PARENTS AND GUARDIANS

It is an erroneous idea that students should be hastened through college in as little time as possible. It is an injustice and a lasting injury to the student, and no college can be honored in sending forth imperfectly-equipped men and women, however numerous. It is likewise important that students adhere closely to the

course of study selected. One reason why some are so long in getting through is, that their attendance is not regular and continued. All are, therefore, urged to enter at the beginning and remain until the end of each session.

It is also strongly recommended that parents ask leave of absence for their children only in urgent cases.

It is not necessary to furnish the student with much spending money. The student activity fee of \$6.00 per semester admits him to nearly all the activities of the College.

BEQUESTS AND DONATIONS

The corporate name of the College is "Tusculum College."

Bequests and donations are earnestly solicited. Correspondence on this subject may be directed to the President, Rev. C. O. Gray, D.D., Greeneville, Tenn.

SESSION

The college year consists of one session of thirty-six weeks, divided into two semesters of eighteen weeks each. Short vacations are given at Christmas and in the middle of the second semester.

ROLL OF STUDENTS

COLLEGE

Senior Class

Brooks, Joe Davis.....	Greeneville
Day, Edward Patton.....	Dongola, Ky.
Doak, Bertha.....	Tusculum
Gray, Marion Alberta.....	Heuvelton, N. Y.
Helmets, Irma Katherine.....	Cincinnati, O.
Hoffman, Mildred Marie.....	Raubsville, Pa.
Justis, William Guy.....	Greeneville
Pierce, Paul Jones.....	Bull's Gap
Rush, Rosalie Ozelle.....	Midway
Russell, Sallie Lucile.....	Tusculum
Shanks, Cecil McKinley.....	Afton
Stock, Ira B.....	Loveland, O.
Talley, Byron Shadrach.....	White Pine

Total, 13.

Junior Class

Ashley, Ellen	McMinnville
Burkey, Hazel	Greeneville
Corvin, Gladys	Bluefield, W. Va.
Hill, Elizabeth Antoinette.....	Tusculum
Rhea, Anna Lee.....	Coal Creek
Russell, Pauline Moser.....	Greeneville
Taylor, Carrie Louise.....	Greeneville

Total 7.

Sophomore Class

Bewley, Willie Gladys.....	Greeneville
Broyles, Robert Remine.....	Chuckey
Bryan, L. C.....	Sevierville
Conley, Mary Laura.....	Sevier, N. C.
Dickey, Mary Edna.....	Johnson City
Dobson, Ola Caroline.....	Greeneville
Gray, Doris Gertrude.....	Heuvelton, N. Y.
Jones, Marjorie Ross.....	Del Rio
Litchfield, Gertrude Margaret.....	Globe, Ariz.
McCollum, William Bruce.....	Wrens, Ga.
Miller, Donald Wilson.....	Wooster, O.
Norton, Edward.....	Flag Pond
Patterson, Margaret Johnson.....	Greeneville
Ramsey, Hugh Trent.....	Tusculum
Rankin, Lucy Evangeline.....	Greeneville
Reeve, Katherine.....	Morristown
Ripley, Ida.....	Greeneville
Rush, William Henry.....	Midway
Russell, Claude Jeanette.....	Tusculum
Whitaker, Fleta Estelle.....	Limestone
Williams, Sophia.....	Afton
Zirkle, Edna Evangeline.....	Kingston

Total, 22.

Freshman Class

Adams, Albert Craig.....	Prairie Depot, O.
Bible, Alice Ada.....	Mosheim
Bishop, Luna Kate.....	Elizabethton
Brooks, Clyde Clifford.....	Greeneville
Brown, Mary Katherine.....	Greeneville
Bryan, Frank.....	Sevierville
Campbell, Carl B.....	Greeneville
Campbell, Roy Lynn.....	Greeneville
Cavallaro, Nicholas Charles.....	New York, N. Y.
Coile, Juliette Rhotson.....	Morristown

Davis, John Andrew.....	Harriman
Dobson, Gladys Lucie.....	Greeneville
Dobson, Corinne.....	Monett, Mo.
Dobson, Jones Van Lear.....	Greeneville
Dutcher, Frank Everett.....	Sag Harbor, N. Y.
Earnest, Elizabeth Tulen.....	Afton
Fillers, Zella Sue.....	Greeneville
Finley, Theodore.....	Marshall, N. C.
Fraker, Berthold Bright.....	Chuckey
Gass, Eva.....	Greenevill
Gass, Eva.....	Greeneville
Gass, Selma Ruth.....	Greeneville
Harrell, Elna Wenonah.....	Morristown
Hull, Mary Evelyn.....	Limestone
Johnson, Richard Ancel.....	Kingsport
Justis, Harry Lee.....	Greeneville
Kiser, Mary Pauline.....	Greeneville
Leonard, Samuel Stephen.....	Greeneville
Lotspeich, Jane Inman.....	Morristown
McCray, Hilda Rebecca.....	Greeneville
McGuffin, Annalee.....	Greeneville
McMahon, Albert Ernest Samuel.....	Tusculum
Marsh, Helen.....	New York, N. Y.
Miller, Allcen.....	Greeneville
Morphew, Bruce Slaughter.....	Robbinsville, S. C.
Ripley, Ruth Margaret.....	Chuckey
Rosecrans, Alice Clemenza.....	Globe, Ariz.
Russell, Alma Evelyn.....	Greeneville
Shipp, Joseph Harrell.....	Kingsport
Smith, Eva Zon.....	Greeneville
Smith, Lewis Francis.....	Morristown
Smith, Sally Ann.....	Greeneville
Steers, Helen Mason.....	America, Ill.
Weems, Mabaliene French.....	Chuckey
Weir, Minnie Esther.....	Middletown, O.
Yokley, Eula Ruth.....	Baileyton

Total, 45.

Special Students

Broyles, Isaac Ernest, Jr.....	Chuckey
Hunt, Celley Latta.....	Asheville, N. C.
McMahon, Dorothy King.....	Tusculum
Park, Margaret Allen.....	Greeneville

Total, 4.

ACADEMY**Fourth Year**

Alexander, Ruth.....	Greeneville
Armstrong, Fannie Sue.....	Limestone
Burwell, Edwin Randolph.....	Taylor's Store, Va.
Copp, Jessie Lee.....	Chuckey
Dowd, Marie Boyd.....	West Orange, N. J.
Freytag, Marie Inez.....	Wartburg
Gilland, Athon Bonnie.....	Pinson
Glover, Dennis	Limestone
Hall, Robert Milton..	Elberton, Ga.
Jervis, Carey.....	Mars Hill, N. C.
Kiser, Maude Clanson.....	Greeneville
Klinger, Charles C.....	Greeneville
Lamons, Naomi Virginia.....	Greeneville
Miller, Ethel Effie.....	Greeneville
Ramsey, Samuel Doak.....	Tusculum
Rush, John Benson.....	Greeneville
Sentelle, Mary Agnes.....	Afton
Shanks, John Brabson.....	Limestone
Shanks, Mary Blaine.....	Limestone
Taylor, Jack D.....	Greeneville
Thompson, Barney Russell, Jr....	Greeneville
Todd, Margaret Elizabeth.....	Greeneville
Weems, Don Bright.....	Chuckey
Williams, Francis Grady.....	Limestone

Total, 24.

Third Year

Blankenship, Herman Lee.....	Chuckey
Buquo, Mariel.....	Hot Springs, N. C.
Dykes, Callie May.....	Baileyton
Ernest, Eugenia Winnifred.....	Roanoke, Va.
Hayes, Nina Ellen.....	Roanoke, Va.
Justice, Sarah Catherine.....	Tusculum
Morgan, Paul Duncan.....	Fall Branch
Ramsay, Pauline.....	Marshall, N. C.
Rankin, Lena Eleanor.....	Afton
Reaves, Rush Hazen.....	Greeneville
Register, Paul Clifford.....	Greeneville
Russell, Willie Kate.....	Tusculum
Smith, Hubert Clark.....	Tusculum
Sparks, Fred.....	Tusculum
Stanbery, Eva.....	Afton
Steppe, Edna Helen.....	Tusculum
Taylor, Ruth	Greeneville
Tilson, Ernest.....	Limestone
Walter, Clyde Leo.....	Chuckey
Wells, Lillian Clyde.....	Greeneville

Total, 20.

Second Year

Babcock, Hugo Arthur.....	Glen Mary
Caldwell, Nellie Minerva.....	Surgoinsville
Cavallaro, John Herbert.....	New York, N. Y.
Dobson, Mary Alberta.....	Greeneville
Dockery, Zetta.....	Marshall, N. C.
Dugger, Dorothy.....	Tusculum
Dugger, Thomas Donald.....	Tusculum
Eager, Mary Lee.....	Harlan, Ky.
Earnest, Berta.....	Afton
Gentry, Webb Bailey.....	Flag Pond
Gilmer, Joe S.....	Johnson City
Gray, Thomas Nicholas.....	Newport

Lawson, Sanford.....	Tennelina, N. C.
Love, Alfred Taylor.....	Elizabethton
McCann, Charleen Margaret.....	Glen Mary
Maupin, Mary Juanita.....	Knoxville
Miller, Janie.....	Greeneville
Norton, Dana Harmon.....	Flag Pond
Rush, Ella Lanthe.....	Greeneville
Sentelle, Hugh Allen.....	Afton
Smith, Elsie May.....	Orange, N. J.
Taylor, Robert Love.....	Greeneville
White, Mabel Pearl.....	Greeneville

Total, 23.

First Year

Alexander, David Dale.....	Greeneville
Barnes, Carl.....	Kittyton
Bowles, Margaret.....	Asheville, N. C.
Diemer, David Farnham.....	Harriman
Dobson, Martha Claude.....	Greeneville
Haynie, Grace Poconna.....	Marshall, N. C.
Henley, Orval Rama.....	Chuckey
Hensley, Arnold.....	Tusculum
Holt, Helen Jessie.....	Tusculum
Ingle, Rex H.....	Sevierville
Kelley, Edgar Albert.....	Tusculum
Kelley, Lillian May.....	Tusculum
McGuire, Samuel Rankin.....	Greeneville
Marshall, Elmer Vivian.....	Chuckey
Miller, Ruth.....	Greeneville
Norton, Harry.....	Flag Pond
Ozete, Frank.....	Cardenas, Cuba
Park, Mary White.....	Afton
Ramsey, Louise.....	Tusculum
Rankin, Cyrus Richard.....	Afton
Rankin, Mary Evelyn.....	Tusculum
Reeve, Thomas Jarnagin.....	Morristown

Seaver, Henry Ailen.....	Afton
Seaver, Mary Sue.....	Afton
Smith, Charles.....	Tusculum
Sparks, Edna Ruth.....	Tusculum
Waddell, Bert Franklin.....	Greeneville
Williams, Taylor Matham.....	Afton
Willis, Taylor.....	Afton
Total, 29.	

Special Students

Guinn, Arthur.....	Greeneville
Hardin, Kathleen.....	Greeneville
Kelley, Ethel.....	Tusculum
Lee, Donald Woodward.....	Tusculum
Total 4	

MUSIC STUDENTS

Piano

*Brown, Margaret Ruth	Lamons, Naomi Virginia
*Brown, Willie	McGuffin, Annalee
Copp, Jessie Lee	Miller, Allcen
Corvin, Gladys	Patterson, Margaret J.
Doak, Bertha	*Prather, Elbridge Katherine
Dobson, Corinne	Ramsey, Pauline
Earnest, Elizabeth Tulen	Rankin, Evelyn
Gass, Eva	Ripley, Ida
*Geaghley, Clyde	Ripley, Ruth
Hardin, Kathleen	Russell, Pauline Moser
Harrell, Elna Wenonah	Steers, Helen Mason
Jones, Marjorie Ross	*Walker, Frances Lee
Kiser, Mary Pauline	Yokley, Eula Ruth
Kiser, Maude Clanson	Zirkle, Edna Evangeline

* Students taking Music only; all others enrolled in regular departments of the college.

Violin

*Holt, Virginia Cavallaro, Nicholas Charles
 Jones, Marjorie Ross

Mandolin

Bryan, Frank

Voice

Brooks, Joe Davis	Hull, Mary Evelyn
Buquo, Mariel	Lotspeich, Jane Inman
*DeFord, Melbe	Marshall, Elmer Vivian
Fillers, Zella Sue	Ramsey, Samuel Doak
*Gray, Edward R.	Reeve, Katherine
Hardin, Kathleen	Ripley, Ruth Margaret
Helmrs, Irma Katherine	Russell, Alma Evelyn
	Smith, Sally Ann

*Students taking Music only; all others enrolled in regular departments of the college.

SUMMARY

	Men	Women	Total	
Seniors	7	6	13	
Juniors	0	7	7	
Sophomores	7	15	22	
Freshmen	18	27	45	
Special	2	2	4	
			—	91
Fourth Year Academy.....	12	12	24	
Third Year Academy.....	8	12	20	
Second Year Academy.....	11	12	23	
First Year Academy.....	18	11	29	
Special	2	2	4	
			—	100
Special Music Students.....	1	7	8	8
				<hr/>
				199

DEGREES CONFERRED

MAY, 1921

Bachelor of Arts

Samuel Kenneth Broyles	Fred Brown Haynes
Joseph Warren Broyles	Lionel Nelson Humphreys
David P. Buchanan	Anna Ruby Paul
John Halbert Dugger	Rolien Ashland Rhea
Sara Finley	Helen Gould Runnion
Nita Gahagan	Jane Eleanor Weir

Bachelor of Arts

"Nunc pro tunc"

James D. Black
Robert Henry Burkhart
George Edward White

Master of Arts, Honorary

Louise Morey Allen

Doctor of Divinity

Frank Wood Moore

Doctor of Laws

Fred William Alexander
Charles Oliver Gray
Cleland Boyd McAfee

CERTIFICATES GRANTED

SCHOOL OF HOME ECONOMICS**Household Economics**

Mary Campbell

Rosalie Ozelle Rush

Jane Eleanor Weir

Sewing

Mary Campbell

Pauline Russell

Rosalie Ozelle Rush

Jane Eleanor Weir

SCHOOL OF MUSIC**Piano**Fred Brown Haynes

ACADEMIC DIPLOMAS

Frank Bryan

Vivian Ernest

Roy Lynn Campbell

Theodore Finley

Nicholas Charles Cavallaro

Bessie Sparks

Gladys Lucie Dobson

Sarah Emma Todd

Elizabeth Tulen Earnest

Mabaliene French Weems

SOCIETY OF THE ALUMNI

The aim of this association is to offer opportunity for social reunion, and to keep alive and fresh their love and enthusiasm for their Alma Mater. The annual meetings are held Commencement Week.

OFFICERS

President—Rev. Jere A. Moore, '96, Greeneville, Tenn.

Vice-President—T. S. Rankin, '85, Tusculum, Tenn.

Secretary-Treasurer—Emma Gahagan Hathaway, '12, Tusculum, Tenn.

Chairman of Committee of Arrangements—Mrs. T. S. Rankin, '88, Tusculum, Tenn.



UNIVERSITY OF ILLINOIS-URBANA



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